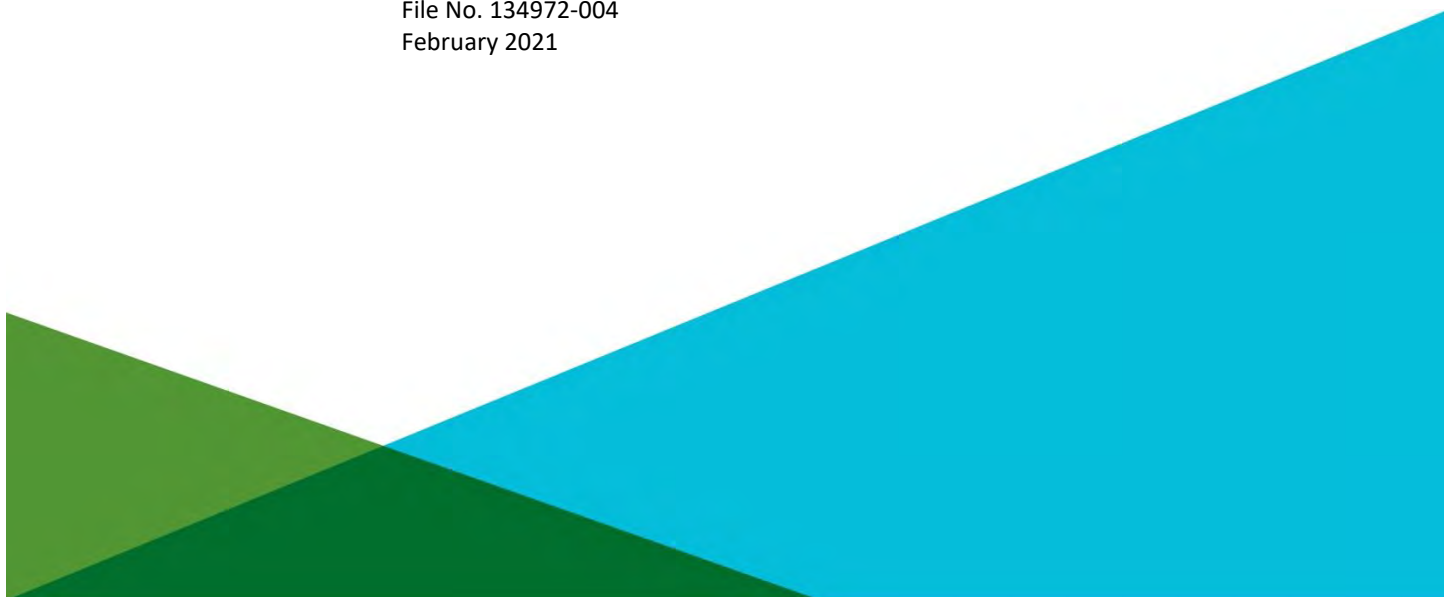


2020 PERIODIC REVIEW REPORT
FORMER XEROX BUILDING 801
HENRIETTA, NEW YORK

by
Haley & Aldrich of New York
Rochester, New York

for
Xerox Corporation
Webster, New York

File No. 134972-004
February 2021





HALEY & ALDRICH OF NEW YORK
200 Town Centre Drive
Suite 2
Rochester, NY 14623
585.359.9000

15 February 2021
File No. 134972-004

Xerox Corporation
800 Phillips Road, 0207-01Z
Webster, New York 14580

Attention: Ms. Julia Ispentchian

Subject: 2020 Periodic Review Report
Former Xerox Building 801 Facility
Henrietta, New York
Site No: 828069

Dear Ms. Ispentchian:

Haley & Aldrich of New York is pleased to provide Xerox Corporation with this annual Periodic Review Report (PRR) for the Former Xerox Building 801 Facility in Henrietta, New York. This report summarizes activities performed and presents data collected during the period 1 January 2020 through 31 December 2020 and is intended to satisfy the PRR reporting requirements described in the NYSDEC-approved Revised Site Management Plan dated 30 July 2015.

This report is being submitted to the New York State Department of Environmental Conservation (NYSDEC) in electronic (Adobe Acrobat) format conforming to the electronic document submission requirements of the NYSDEC. An additional copy of Appendix A (Annual Institutional and Engineering Controls Certification Form) is also being submitted in hard copy format to the NYSDEC as requested.

Please do not hesitate to contact us should you have any questions regarding this report.

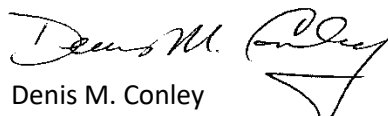
Sincerely yours,
HALEY & ALDRICH OF NEW YORK



Jonathan M. Sanger
Environmental Specialist



Janice D. Szucs, P.E.
Senior Project Manager



Denis M. Conley
Technical Expertfj

c: L3Harris Technologies; Attn: Jason Scott

SIGNATURE PAGE FOR

REPORT ON
2020 PERIODIC REVIEW REPORT
FORMER XEROX BUILDING 801
HENRIETTA, NEW YORK

PREPARED FOR
XEROX CORPORATION
WEBSTER, NEW YORK

PREPARED BY:

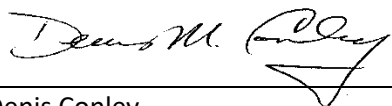


Jonathan Sanger
Environmental Specialist
Haley & Aldrich of New York

REVIEWED AND APPROVED BY:



Janice Szucs
Senior Project Manager
Haley & Aldrich of New York



Denis Conley
Technical Expert
Haley & Aldrich of New York

Executive Summary

Haley & Aldrich of New York (Haley & Aldrich) has prepared this Periodic Review Report (PRR) for the 2020 reporting year for the Former Xerox Building 801 Facility located at 1350 Jefferson Rd, Henrietta, NY (Site). This report presents updates to current Site conditions, confirms that previously investigated and remediated Site risks are effectively managed, and summarizes activities performed and data collected during the period 1 January 2020 through 31 December 2020. This report is intended to satisfy the requirements described in the NYSDEC-approved Revised Site Management Plan (SMP) dated 30 July 2015.

During the 2020 reporting period, the engineering controls/institutional controls (EC/ICs) onsite were in place and functioned effectively. The PRR Annual Institutional and Engineering Controls Certification Form is included in Appendix A. Please note that the form was edited (as required within form instructions) to state the correct PRR period (1 January to 31 December 2020) and site acreage (85.98 acres, not 2.000).

Based on the results of the most recent groundwater sampling event, impacted groundwater remains within the footprint of the defined Soil and Groundwater Management Area (SGMA). The groundwater analytical results indicate that the reductive dechlorination process is reducing residual contaminant levels and assisting with maintaining overall plume stability. Overall, the data collected during the most recent monitoring event is consistent with the past monitoring events completed since active remediation was completed at the Site. In general, the source area well data showed an overall decrease in the concentrations of the Site compounds of concern, a stable condition, or a condition of decreasing parent compound and increasing daughter compound concentrations, which is expected under a biologically-mediated degradation process.

During the reporting period, there were no recorded shutdowns of the sub-slab depressurization (SSD) system. The SSD system continues to operate effectively within the design zone of influence to mitigate the potential for impacted soil vapor intrusion to indoor air within the building.

A visual inspection of the SGMA by Haley & Aldrich and correspondence with the property owner L3Harris Technologies (formerly known as Harris Corporation and herein referred to as L3Harris) indicated that the protective cover and fencing remain in place and is effective in limiting exposure to the residual contamination within the SGMA. Under the property transfer agreement, current property owner L3Harris is responsible for notifying NYSDEC of any planned excavations within the SGMA and reporting any ground intrusive activities within the SGMA to Xerox, so that these activities can be included in PRR summary reports. Based on input received from L3Harris, there were no ground intrusive activities completed within the SGMA in 2020.

L3Harris conducted site improvements during 2020 that included excavation and ground intrusive activities outside the SGMA. The site improvements included the expansion of a nitrogen tank pad and construction and installation of a radio antenna, and associated underground utilities, test pads and loading docks. L3Harris provided notification to the NYSDEC prior to the start of work.

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1. Background

Haley & Aldrich of New York (Haley & Aldrich) has prepared this 2020 Periodic Review Report (PRR) for the Former Xerox Building 801 Facility located at 1350 Jefferson Rd, Henrietta, New York, NYSDEC Site No. 828069 (see Figure 1). This report presents the current Site conditions, confirms that previously investigated and remediated Site risks are effectively managed, and summarizes activities performed and data collected during the reporting period from 1 January 2020 through 31 December 2020. This report is intended to satisfy the requirements described in the NYSDEC-approved Revised Site Management Plan (SMP) dated 30 July 2015.

Xerox implemented several remedial actions at this Site from the early 1990s through 2006, when active remediation was deemed complete by the NYSDEC. An overall summary of the remedial actions and site management activities performed at the Site and timeframes is as follows:

1. Groundwater pumping and treatment to manage plume migration (1990 to 1994).
2. Stormwater drainage redirection around the source area (1995).
3. 2-PHASE Extraction to reduce soil and groundwater residual concentrations (1994 to 2001).
4. HRC-S (biological amendment) pilot test and larger-scale final corrective action injection to further reduce soil and groundwater residual impacts (2003 to 2006).
5. Installation and testing of a sub-slab depressurization (SSD) system (2006 to 2007).
Expansion of the SSD system following the sale and transfer of the property to Harris Corporation (now known as L3Harris Technologies and herein referred to as L3Harris) on 15 March 2010. Renovations were substantially completed in September 2011. L3Harris currently occupies the building and property; operation of the expanded SSD system continues.

Corrective Actions for the Site were completed in August 2006 with the implementation of the final large-scale biological amendment addition to stimulate natural degradation processes. No further active remediation has been conducted, nor is contemplated based on the current site conditions.

Site activities are currently managed in accordance with the NYSDEC approved SMP for management of residual contamination and includes:

- (1) Institutional and Engineering Controls,
- (2) monitoring,
- (3) operation and maintenance, and
- (4) periodic reporting.

SMP activities include annual groundwater monitoring; operation, maintenance, and monitoring of the sub-slab depressurization (SSD) system; management of soil cover and adherence to management protocols for the Soil and Groundwater Management Area (SGMA) of the Site; and annual certification that prescribed Site engineering and institutional controls (EC/ICs) remain in place.

2. Site Activities

The following activities were implemented during the reporting period as stipulated by the SMP:

- An annual groundwater monitoring event was performed by ALS Environmental of Rochester, New York on 28 September 2020.
- Vacuum testing was conducted on 19 October 2020 and subsequently on 2 November 2020 by Haley & Aldrich to evaluate the SSD system performance.

During the 2020 reporting period, the engineering and institutional controls onsite were in place and functioned effectively. There were no ground-intrusive activities that took place within the SGMA during the reporting period.

L3Harris conducted various site improvements north of the facility building outside of the SGMA that included expansion of a nitrogen tank pad and soil excavation for installation of a radio antenna, underground utilities, concrete pads and loading docks. These improvement projects received approval from the NYSDEC after notification was provided by L3Harris on 15 May 2020.

The Institutional and Engineering Controls Certification Form documenting that site management requirements are being met is included as Appendix A of this report and is also being submitted in hard copy format to NYSDEC. Please note that the form was edited (as required within form instructions) to state the correct PRR period (1 January to 31 December 2020) and site acreage (85.98 acres, not 2.000).

3. Groundwater and Surface Water Monitoring

On 28 September 2020, groundwater samples were collected from twelve (12) onsite wells and two of the three (3) surface water locations (one location was dry at the time sampling was performed), as required by the SMP (Figure 2). The monitoring well samples were collected using passive diffusion bags (PDBs), as approved by NYSDEC in 2017. Sampling and laboratory analyses were conducted by ALS Environmental of Rochester, New York. Laboratory analytical results are summarized in Tables I and III, and in the sections below. Table III provides historical data from 2006 to present to show trends since the completion of the final larger-scale HRC-S injection in 2006 and as confirmation that analytical results reflect a stable plume condition. Data collected prior to 2006 can be found in previously submitted semi-annual reports prepared for the Site. The laboratory data report is included in Appendix B. A graphical depiction of the data is included as Appendix C.

Static groundwater levels were collected from the twelve (12) onsite wells on 28 September 2020. The data is summarized in Table II. Groundwater contours based on the data are included on Figure 4. Based on the 2020 groundwater elevation data, groundwater flows generally to the north-northeast, which is consistent with past monitoring results.

3.1 SOURCE AREA WELLS – HRC-S INJECTION AREA

Five wells VE-6, VE-10, VE-12, VE-15, and RW-4 are located within the final larger-scale HRC-S Injection Area, and herein referred to as the residual source area. Refer to Figure 2 for the location of the wells. The analytical data is summarized in Tables I and III. Refer to the figures in Appendix C for a graphical depiction of the data trends with time.

Volatile organic compound (VOC) groundwater concentrations within the residual source area are consistent with historical data and indicate that the enhanced reductive dechlorination process stimulated by the injection of the HRC-S remains active and continuing in the residual source area. The results for wells, VE-10, VE-12 and VE-15 continue to show strong evidence of reductive dechlorination with overall decreasing concentrations of cis-1,2-dichloroethene (cis-1,2-DCE) and 1,1-dichloroethane (1,1-DCA) and corresponding higher concentrations of daughter products, vinyl chloride and chloroethane. The total VOC concentrations at VE-12 decreased from 18,450 ug/L in 2019 to 14,380 ug/L in 2020. Detections of daughter products, chloroethane and vinyl chloride were consistent with previous sampling events confirming that active reductive dechlorination of the parent compounds tetrachloroethene (PCE), trichloroethene (TCE), and 1,1,1-trichloroethane (1,1,1-TCA) is occurring in this area of the Site. However, total VOC concentrations at VE-6 increased in 2020 (14,240 ug/L) compared to results in 2019 (5,970 ug/L) but were lower than total VOC concentrations detected in samples collected at this well location before 2019.

Parent compounds, PCE, TCE, and 1,1,1-TCA, were not detected in any of the residual source area wells during the 2020 sampling event, with the exception of a low concentration of TCE at RW-4 (7.0 ug/L), which continued to exhibit a decreasing trend. Concentrations of parent compounds detected remain well below levels observed before remediation was completed at the Site.

In general, the residual source area well data showed a significant overall decrease in Total VOC concentrations of concern, a stable condition, or a condition of decreasing parent compound and increasing daughter compound concentrations, which is expected under a biologically-mediated

degradation process. The groundwater analytical results indicate that the reductive dechlorination process is progressing to completion, gradually reducing residual contaminant concentrations, and assisting with maintaining overall groundwater plume stability.

3.2 DOWNGRADIENT WELLS

The downgradient well locations, MW-2, MW-10, MW-13S, MW-16, MW-18S, and MW-19 are primarily located outside and downgradient of the HRC-S injection area. Refer to Figure 2 for the location of these wells. The analytical results for the 2020 groundwater monitoring event are summarized in Tables I and III, and historical concentration trends are depicted in Appendix C.

Parent VOC concentrations (PCE, TCE, and 1,1,1-TCA) were generally consistent with the previous sampling event and historical trends. Concentrations for total VOCs detected in the 2020 sampling event were generally lower or consistent with historical fluctuation observed in previous sampling events dating back to 2006 when active remediation was completed at the Site.

Results for the groundwater samples collected at wells MW-13S located within the downgradient limits of the SGMA and at wells MW-16 and MW-18S, located just outside the downgradient limits of the SGMA, indicate that the impacted groundwater plume remains within the SGMA and that the impacted groundwater plume is stable and/or decreasing in this area of the Site.

3.3 SURFACE WATER

Samples were collected from two of the three surface water locations, SW-34 and SW-35. SW-29, which has historically been non-detect for VOC concentrations, was dry during the sampling event and therefore was not sampled. VOCs were not detected in SW-34 and SW-35, which is consistent with historical trends. Refer to Figure 2 for locations of surface water samples. Analytical results are summarized in Table III.

4. Sub-Slab Depressurization System

4.1 SYSTEM OPERATION & MAINTENANCE SUMMARY

The SSD system continues to operate at the Site. During the 2020 reporting period, there were no noted shutdowns of the system, and observed sub-slab vacuum readings were consistent with historical levels.

4.2 SUB-SLAB VACUUM MONITORING

On 19 October 2020, sub-slab vacuum readings were collected from vacuum monitoring floor points using a calibrated handheld manometer, with the exception of T-29 which was not accessible at that time. T-29 was measured during a subsequent visit to the Site on 2 November 2020. Vacuum measurements from the floor monitoring points were greater than the SSD system design criteria of 0.002 inches of water column (in. WC) with the exception of T-18 (see Table IV). It was determined that T-18 was obstructed with sand and debris that inhibited an accurate vacuum reading. During the subsequent site visit on 2 November 2020, the sand and debris was removed from T-18 using a shop vacuum. Following these activities, T-18 resulted in a measurement of 0.004 in. WC. These vacuum monitoring results indicate that the SSD system is operating effectively within the zone of influence.

In addition to vacuum monitoring at the floor points, vacuum readings were recorded at the permanently installed gauges at the suction points for each SSD system fan. Vacuum readings from the suction points indicated that the seven SSD system fans in operation during the monitoring event are providing sub-slab depressurization within the area where the SSD system is installed. Suction point vacuum readings are provided in Table V.

5. SGMA Activities and Site Improvements

A visual inspection of the SGMA was performed by Haley & Aldrich on 23 November 2020 and confirmed that the protective cover and fencing remain in place and remain effective in limiting exposure to residual Site contamination within the SGMA. There were no ground intrusive activities within the SGMA during the reporting period.

During the 2020 reporting period, L3Harris conducted various site improvements including the expansion of the nitrogen pad and tank north of the facility and west of the SGMA that began in December of 2019 and was completed in early January 2020. L3Harris provided notification of the project to the NYSDEC in October 2019 in accordance with the approved SMP. The project required shallow soil excavation for the installation of the concrete pad and the excavated soil was reused onsite. Soil samples were collected prior to excavation work to characterize the soil quality and the results of the sampling were non-detect for VOCs.

L3Harris also conducted an extensive site project that included the installation of a radio antenna, underground utility construction, and construction of test pads and loading dock areas north of the facility building and west of the SGMA. A 60-day change-of-use notice and an Excavation Work Plan (EWP) were provided by L3Harris to the NYSDEC on 15 May 2020, and the work was subsequently approved on 4 June 2020.

The project was completed between mid-June and November 2020 and included soil excavation, directional drilling and soil and groundwater management during construction. The contractors and consultants of L3Harris implemented a community air monitoring plan (CAMP) in accordance with the approved EWP during soil excavation activities. Excavated soil was either reused in the original excavation or placed in designated soil relocation areas on site. The project details were summarized in an Environmental Monitoring Report dated 12 January 2021 and is included in this report (see Appendix D). The report includes documentation of construction activities, CAMP monitoring results, soil and groundwater analytical results and import material analyses.

There are currently no site improvement activities planned for 2021 at the Site.

6. Recommendations and Future Activities

Xerox will continue the following activities as stipulated in the SMP:

- Groundwater well monitoring and sampling;
- Monitoring of the SSDS; and
- Preparation and submittal of annual PRRs.

TABLES

TABLE I
TOTAL VOCs IN GROUNDWATER SINCE 2010
 FORMER XEROX BUILDING 801
 HENRIETTA, NEW YORK

WELL ID	Jun-10/Jul-10	Oct-11	Aug-12	Sep-13	Jul-14	Aug-15	Aug-16	3/29/2017 Resampling	Sep-17	Aug-18	Aug-19	Sep-20
RW-4	1,230	10,631	940	666	1,823	747	227	NS	76	75	59	51
MW-2	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
MW-10	1,002	2,668	2,885	869	1,686	1,100	1,012	910	1,047	1,259	1,111	1,208
MW-13S	75.7	63.4	71	74	68.4	76.8	5.4	NS	6.6	20.0	ND	5.9
MW-16	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
MW-18S	ND	ND	ND	ND	ND	ND	ND	NS	ND	16	ND	ND
MW-19	1,410	518	1,371	997	303	606	7,953	973	393	1,269	728	761
MW-24S	ND	ND	ND	ND	ND	ND	ND	NS	ND	ND	ND	ND
VE-6	80,970	46,000	39,300	44,400	49,500	25,900	16,530	NS	20,360	17,120	5,970	14,240
VE-10	43,800	62,000	76,600	62,900	44,100	44,600	88,000	NS	1,394	2,438	4,363	5,010
VE-12	97,000	173,800	101,700	69,400	97,800	68,400	40,900	NS	2,208	17,110	18,450	14,380
VE-15	43,800	8,207	1,592	1,248	4,909	830	530	NS	575	349	551	537

TABLE II
SITE WATER LEVEL DATA
 FORMER XEROX BUILDING 801
 HENRIETTA, NEW YORK

Well ID	Reference Elevation	Depth to Water	
		August 2019	September 2020
RW-4	498.84	4.43	5.06
MW-2	498.49	4.96	5.55
MW-10	498.45	4.78	5.40
MW-13S	498.35	5.65	5.41
MW-16	498.83	9.38	5.83
MW-18S	498.81	5.38	6.06
MW-19	498.53	6.88	5.56
MW-24S	503.44	4.78	7.36
VE-6	498.93	5.25	10.42
VE-10	500.04	4.87	7.26
VE-12	501.09	4.87	7.37
VE-15	499.73	5.50	5.12

Notes:

1. Elevations measured in feet above mean sea level.
2. Depth to water measured from the top of the well riser.
3. Water levels measured by ALS.

Sample ID	VE-12																
Analyte or Method	12/12/2006	6/14/2007	12/18/2007	6/12/2008	12/18/2008	6/22/2009	7/1/2010	10/11/2011	8/23/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/27/2017	8/28/2018	8/26/2019	09/28/2020
VOCs 8260B (ug/L)																	
Acetone	ND (4000)	ND (4000)	ND (4000)	ND (8000)	ND (8000)	ND (4000)	ND (10000)	ND (10000)	ND (2500)	ND (2500) J	ND (2500)	ND (2500)	ND (2000)	ND (100)	ND (1000)	ND (500)	ND (500)
Benzene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Bromodichloromethane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Bromomethane (Methyl Bromide)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
2-Butanone (Methyl Ethyl Ketone)	ND (2000)	ND (2000)	ND (2000)	ND (4000)	ND (4000)	ND (2000)	ND (5000)	ND (5000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2,000)	110	ND (500)	930	570
Carbon Disulfide	ND (2000)	ND (2000)	ND (2000)	ND (4000)	ND (4000)	ND (2000)	ND (5000)	ND (5000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2,000)	ND (100)	ND (1000)	ND (500)	ND (500)
Carbon Tetrachloride	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Chlorobenzene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND(50)	ND (500)	ND (250)	ND (250)
Chloroethane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	1,400	2,700	4,800	9,200	1,400	6,400	7,800	8,600
Chloroform (Trichloromethane)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Chloromethane (Methyl Chloride)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Dibromochloromethane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
1,1-Dichloroethane	14,000	9,600	11,000	7,200	18,000	8,800	11,000	12,000	17,000	16,000	16,000	15,000	4,900	330	960	1,700	850
1,2-Dichloroethane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
1,1-Dichloroethene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	1,700	ND (2500)	ND (2500)	ND (1300)	ND (1300)	1,400	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
cis-1,2-Dichloroethene	4,100	23,000	19,000	40,000	57,000	73,000 D	48,000	100,000	44,000	27,000	45,000	14,000	5,800	ND(50)	ND (500)	1,100	500
trans-1,2-Dichloroethene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
1,2-Dichloropropane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Cis-1,3-Dichloropropene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
trans-1,3-Dichloropropene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Ethylbenzene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
2-Hexanone	ND (2000)	ND (2000)	ND (2000)	ND (4000)	ND (4000)	ND (2000)	ND (5000)	ND (5000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2,000)	ND (100)	ND (500)	ND (250)	ND (250)
Methylene Chloride	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	88	ND (500)	ND (250)	ND (250)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2000)	ND (2000)	ND (2000)	ND (4000)	ND (4000)	ND (2000)	ND (5000)	ND (5000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2,000)	ND (100)	ND (1000)	ND (500)	ND (500)
Styrene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300) J	ND (1300) J	ND (1300) J	ND (1300)	ND (50)	ND (500)	ND (250)	ND (250)
1,1,2,2-Tetrachloroethane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Tetrachloroethene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Toluene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	650	680	660
1,1,1-Trichloroethane	ND (1000)	4,600	1,800	7,200	3,300	11,000	4,000	8,800	2,700	ND (1300)	4,700	1,600	ND (1,000)	ND (50)	ND (500)	440	ND (250)
1,1,2-Trichloroethane	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Trichloroethene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
Vinyl Chloride	30,000	37,000	44,000 D	31000	42000	33,000	34,000	53,000	38,000	25,000	28,000	33,000	21,000	280	9,100	5,800	3,200
o-Xylene	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)
m,p-Xylenes	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (2000)	ND (1000)	ND (2500)	ND (2500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1,000)	ND (50)	ND (500)	ND (250)	ND (250)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	VE-10																					
Analyte or Method	11/23/2003	11/24/2003 DUPLICATE	12/2/2004	3/29/2005	6/23/2006	12/12/2006	6/13/2007	12/18/2007	6/12/2008	12/17/2008	6/22/2009	7/1/2010	10/11/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/27/2017	8/28/2018	8/26/2019	09/28/2020
VOCs 8260B (ug/L)																						
Acetone	ND (1000)	ND (2000)	ND (1000)	ND (1000)	ND (5000)	ND (5000)	ND (8000)	ND (5000)	ND (4000)	ND (1000)	ND (4000)	ND (5000)	ND (5000)	ND (2500)	ND (2500) J	ND (2500)	ND (2000)	ND (5,000)	ND (50)	ND (50)	ND (50)	ND (200)
Benzene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Bromodichloromethane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Bromomform	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Bromomethane (Methyl Bromide)	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
2-Butanone (Methyl Ethyl Ketone)	ND (500)	ND (1000)	ND (500)	ND (500)	ND (2500)	ND (2500)	ND (4000)	ND (2500)	ND (2000)	ND (500)	ND (2000)	ND (2500)	ND (2500)	ND (2500)	ND (2500) J	ND (2500)	ND (2000)	ND (5,000)	ND (50)	ND (50)	ND (50)	ND (200)
Carbon Disulfide	ND (500)	ND (1000)	ND (500)	ND (500)	ND (2500)	ND (2500)	ND (4000)	ND (2500)	ND (2000)	ND (500)	ND (2000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2000)	ND (5,000)	ND (50)	ND (50)	ND (50)	ND (200)
Carbon Tetrachloride	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Chlorobenzene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Chloroethane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	1,300	2,100	1,800	2,000	2,600	2,900	2,100	4,500	5,000	670	1,500	1900 J-	1,100
Chloroform (Trichloromethane)	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Chloromethane (Methyl Chloride)	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Dibromochloromethane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
1,1-Dichloroethane	1,200	1,200	1,100	1,300	1,600	1,600	2,600	2,700	3,000	850	1,300	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	64	120	260 J-	180
1,2-Dichloroethane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
1,1-Dichloroethene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
cis-1,2-Dichloroethene	17,000 E	17,000 D	17,000 D	18,000 D	42,000	40,000	79,000	17,000	18,000	4,500	36,000	14,000	23,000	48,000	28,000	22,000	6,100	50,000	ND (25)	79	72 J-	130
trans-1,2-Dichloroethene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	40	73	76 J-	76 J-
1,2-Dichloropropane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Cis-1,3-Dichloropropene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
trans-1,3-Dichloropropene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Ethylbenzene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
2-Hexanone	ND (500)	ND (1000)	ND (500)	ND (500)	ND (2500)	ND (2500)	ND (4000)	ND (2500)	ND (2000)	ND (500)	ND (2000)	ND (2500)	ND (2500)	ND (2500) J	ND (2500)	ND (2500)	ND (2000)	ND (5,000)	ND (25)	ND (25)	ND (25)	ND (100)
Methylene Chloride	450	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	33	56	55 J-	55 J-
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (500)	ND (1000)	ND (500)	ND (500)	ND (2500)	ND (2500)	ND (4000)	ND (2500)	ND (2000)	ND (500)	ND (2000)	ND (2500)	ND (2500)	ND (2500)	ND (2500) J	ND (2500)	ND (2000)	ND (5,000)	ND (50)	ND (50)	ND (50)	ND (200)
Styrene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300) J	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
1,1,2,2-Tetrachloroethane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
1,1-Dichloroethene	1,100	1,000	820	1,000	2,800	1,700	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Toluene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
1,1,1-Trichloroethane	2,000	2,000	1,600	2,000	4,000	3,200	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
1,1,2-Trichloroethane	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Trichloroethene	1,400	1,300	1,200	ND (250)	4,000	1,800	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
Vinyl Chloride	ND (250)	ND (500)	ND (250)	1,900	ND (1250)	ND (1250)	ND (2000)	24,000	33,000	41,000 D	51,000 D	28,000	37,000	26,000	32,000	20,000	34,000	33,000	620	610	2000 J-	3,600
o-Xylene	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)
m,p-Xylenes	ND (250)	ND (500)	ND (250)	ND (250)	ND (1250)	ND (1250)	ND (2000)	ND (1300)	ND (1000)	ND (250)	ND (1000)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (2,500)	ND (25)	ND (25)	ND (25)	ND (100)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	VE-6																	
Analyte or Method	6/23/2006	12/13/2006	6/13/2007	12/19/2007	6/11/2008	12/18/2008	6/23/2009	6/28/2010	10/12/2011	8/23/2012	9/5/2013	7/30/2014	8/26/2015	8/30/2016	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																		
Acetone	ND (4000)	ND (2000)	ND (2000)	ND (400)	ND (400)	ND (1000)	ND (2000)	ND (2000)	ND (5000)	ND (2500)	ND (2500) J	ND (2500)	ND (2000)	ND (1,000)	ND (1,000)	ND (1,000)	ND (250)	ND (1,000)
Benzene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Bromodichloromethane	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Bromomethane (Methyl Bromide)	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
2-Butanone (Methyl Ethyl Ketone)	ND (2000)	ND (1000)	ND (1000)	ND (200)	ND (200)	ND (500)	ND (1000)	ND (1000)	ND (2500)	ND (2500)	ND (2500) J	ND (2500)	ND (2000)	ND (1,000)	ND (1,000)	ND (1,000)	ND (250)	ND (1,000)
Carbon Disulfide	ND (2000)	ND (1000)	ND (1000)	ND (200)	ND (200)	ND (500)	ND (1000)	ND (1000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2000)	ND (1,000)	ND (1,000)	ND (1,000)	ND (250)	ND (1,000)
Carbon Tetrachloride	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Chlorobenzene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Chloroethane	ND (1000)	ND (500)	ND (500)	ND (100)	110	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	190 J-	ND (500)
Chloroform (Trichloromethane)	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Chloromethane (Methyl Chloride)	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Dibromochloromethane	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
1,1-Dichloroethane	1,100	900	1,800	120	1,800	300	980	2,400	1,700	1,900	2,100	2,200	1,200	720	980	680	300 J-	540
1,2-Dichloroethane	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
1,1-Dichloroethene	ND (1000)	530	820	ND (100)	ND (100)	ND (250)	ND (500)	600	1,300	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	510	520	130 J-	ND (500)
cis-1,2-Dichloroethene	22,000	18,000	32,000 D	2,700	8000 D	8,500	18,000	66,000 D	40,000 D	34,000	36,000	39,000	20,000	14,000	14,000	13,000	3900 J-	11,000
trans-1,2-Dichloroethene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	570	1,300	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
1,2-Dichloropropane	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Cis-1,3-Dichloropropene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
trans-1,3-Dichloropropene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Ethylbenzene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
2-Hexanone	ND (2000)	ND (1000)	ND (1000)	ND (200)	ND (200)	ND (500)	ND (1000)	ND (1000)	ND (2500)	ND (2500)	ND (2500) J	ND (2500)	ND (2000)	ND (1,000)	ND (1,000)	ND (1,000)	ND (250)	ND (1,000)
Methylene Chloride	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2000)	ND (1000)	ND (1000)	ND (200)	ND (200)	ND (500)	ND (1000)	ND (1000)	ND (2500)	ND (2500)	ND (2500)	ND (2500)	ND (2000)	ND (1,000)	ND (1,000)	ND (1,000)	ND (250)	ND (1,000)
Styrene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300) J	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
1,1,2,2-Tetrachloroethane	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Tetrachloroethene	11,000	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Toluene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
1,1,1-Trichloroethane	10,000	4,000	6,000	340	820	970	1,700	4,700	2,400	3,400	3,100	5,500	1,600	710	970	620	150 J-	ND (500)
1,1,2-Trichloroethane	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Trichloroethene	6,800	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
Vinyl Chloride	ND (1000)	ND (500)	1,400	140	8000 D	ND (250)	4,700	6,700	1,900	ND (1300)	3,200	2,800	3,100	1,100	3,900	2,300	1300 J-	2,700
o-Xylene	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)
m,p-Xylenes	ND (1000)	ND (500)	ND (500)	ND (100)	ND (100)	ND (250)	ND (500)	ND (500)	ND (1300)	ND (1300)	ND (1300)	ND (1300)	ND (1000)	ND (500)	ND (500)	ND (500)	ND (130)	ND (500)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

TABLE III
GROUNDWATER & SURFACE WATER MONITORING ANALYTICAL SUMMARY
FORMER XEROX BUILDING 801
HENRIETTA, NEW YORK

Sample ID	VE-15																	
Analyte or Method	6/23/2006	12/13/2006	6/13/2007	12/19/2007	6/11/2008	12/18/2008	6/23/2009	7/1/2010	10/11/2011	8/23/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																		
Acetone	ND (5000)	ND (2000)	ND (2000)	ND (2000)	ND (4000)	ND (1000)	ND (1000)	250	160	140	94 J	110	87	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)
Benzene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Bromodichloromethane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Bromoform	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Bromomethane (Methyl Bromide)	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
2-Butanone (Methyl Ethyl Ketone)	ND (2500)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	650	ND (500)	430	300	210	140	130	82	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)
Carbon Disulfide	ND (2500)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (500)	ND (500)	ND (50)	ND (50)	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)
Carbon Tetrachloride	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Chlorobenzene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Chloroethane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	880	2,200	1,100	940	1,400	610	530	540	250	360 J-	370
Chloroform (Trichloromethane)	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Chloromethane (Methyl Chloride)	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Dibromochloromethane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
1,1-Dichloroethane	2,600	940	3,100	2,300	2,400	1,900	2,000	400	650	83	41	720	51	ND (25)	25	99	170 J-	150
1,2-Dichloroethane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
1,1-Dichloroethene	ND (1250)	ND (500)	500	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
cis-1,2-Dichloroethene	38,000	12,000	43,000 D	3,400 D	29,000	19,000 D	9,100	130	1,600	ND (50)	ND (25)	1,200	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
trans-1,2-Dichloroethene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	160	540	59	33	250	ND (25)	ND (25)	ND (25)	ND (13)	21 J-	17
1,2-Dichloropropane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Cis-1,3-Dichloropropene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
trans-1,3-Dichloropropene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Ethylbenzene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
2-Hexanone	ND (2500)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (500)	ND (500)	150	50	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)
Methylene Chloride	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	46	140	ND (50)	-	99	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2500)	ND (1000)	ND (1000)	ND (1000)	ND (2000)	ND (500)	ND (500)	ND (50)	ND (50)	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)
Styrene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25) J	ND (25) J	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
1,1,2,2-Tetrachloroethane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Tetrachloroethene	4,100	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Toluene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
1,1,1-Trichloroethane	7,500	880	600	ND (500)	ND (1000)	ND (250)	ND (250)	38	67	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
1,1,2-Trichloroethane	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Trichloroethene	5,400	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
Vinyl Chloride	ND (1250)	620	2,900	3,100	5,400	8,700	15,000 D	340	2,500	ND (50)	ND (25)	1,000	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
o-Xylene	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)
m,p-Xylenes	ND (1250)	ND (500)	ND (500)	ND (500)	ND (1000)	ND (250)	ND (250)	ND (25)	ND (25)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (13)	ND (13)	ND (13)

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1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	RW-4																	
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/28/2010	10/11/2011	8/23/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																		
Acetone	ND (5000)	ND (2000)	NA	ND (500)	ND (2000)	ND (500)	ND (1000)	ND (100)	ND (100)	ND (50)	ND (50) J	ND (50)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (2500)	ND (1000)	NA	ND (250)	ND (1000)	ND (250)	ND (500)	55	100	ND (50)	ND (50) J	ND (50)	ND (50)	11	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (2500)	ND (1000)	NA	ND (250)	ND (1000)	ND (250)	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	36	760	40	43	85	37	7	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (1300)	ND (500)	ND (250)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	7,800	1,300	560	1,500	1,500	620	390	150	390	150	75	160	100	64	27	19	16 J-	19
1,2-Dichloroethane	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	3,100	ND (500)	52	330	ND (500)	ND (130)	ND (250)	ND (25)	ND (30)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	41,000 D	14,000	3,500	24,000 D	20,000 D	3,200	690	910	5,000	620	470	1,300	500	92	ND (5)	15	14 J-	16
trans-1,2-Dichloroethene	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (170)	ND (25)	ND (25)	ND (25)	ND (25)	5	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (2500)	ND (1000)	NA	ND (250)	ND (1000)	ND (250)	ND (500)	ND (50)	ND (50)	ND (50)	ND (50) J	ND (50)	ND (50)	12	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (31)	ND (25)	ND (25)	ND (25)	ND (25)	7	12	13	13	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (2500)	ND (1000)	NA	ND (250)	ND (1000)	ND (250)	ND (500)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (1300)	ND (500)	NA	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25) J	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (1300)	ND (500)	ND (500)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	1,500	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	14,000	660	100	1,400	720	ND (130)	ND (250)	29	220	ND (25)	ND (25)	40	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (1300)	ND (500)	ND (100)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	5,800	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	8	16	13	7.9 J-	7
Vinyl Chloride	3,500	1,800	570	1,900	4,300 D	720	260	50	4,200	130	78	210	110	21	21	15	9.3 J-	9
o-Xylene	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (1300)	ND (500)	ND (50)	ND (130)	ND (500)	ND (130)	ND (250)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-2																	
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/28/2010	10/11/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/27/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																		
Acetone	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

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NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-10																			
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/22/2010	10/11/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/26/2015 DUPLICATE	8/31/2016	Resample 3/29/2017	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																				
Acetone	ND (100)	ND (200)	ND (100)	ND (100)	ND (200)	ND (200)	ND (40)	ND (50)	ND (200)	ND (100)	ND (50) J	ND (50)	ND (50)	ND (50)	ND (50)	NA	ND (50)	ND (50)	ND (50)	ND (50)
Benzene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Bromodichloromethane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Bromoform	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Bromomethane (Methyl Bromide)	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
2-Butanone (Methyl Ethyl Ketone)	ND (50)	ND (100)	ND (50)	ND (50)	ND (100)	ND (100)	ND (20)	ND (25)	ND (100)	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	NA	ND (50)	ND (50)	ND (50)	ND (50)
Carbon Disulfide	ND (50)	ND (100)	ND (50)	ND (50)	ND (100)	ND (100)	ND (20)	ND (25)	ND (100)	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	NA	ND (50)	ND (50)	ND (50)	ND (50)
Carbon Tetrachloride	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Chlorobenzene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Chloroethane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Chloroform (Trichloromethane)	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Chloromethane (Methyl Chloride)	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Dibromochloromethane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
1,1-Dichloroethane	97	120	73	160	180	190	100	86	200	240	88	170	110	110	99	99	110	130	120 J-	130
1,2-Dichloroethane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
1,1-Dichloroethene	ND (25)	ND (50)	ND (25)	28	ND (50)	ND (50)	16	17	50	ND (50)	ND (25)	28	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
cis-1,2-Dichloroethene	1,000 D	1,300	660	1,300 D	1,900	1,800	1,100 D	700 D	1,900 D	2,000	610	1,100	750	780	720	640	720	790	690 J-	740
trans-1,2-Dichloroethene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	15	50	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
1,2-Dichloropropane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Cis-1,3-Dichloropropene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
trans-1,3-Dichloropropene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Ethylbenzene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
2-Hexanone	ND (50)	ND (100)	ND (50)	ND (50)	ND (100)	ND (100)	ND (20)	ND (25)	ND (100)	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	NA	ND (50)	ND (50)	ND (50)	ND (50)
Methylene Chloride	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (50)	ND (100)	ND (50)	ND (50)	ND (100)	ND (100)	ND (20)	ND (25)	ND (100)	ND (100)	ND (50)	ND (50)	ND (50)	ND (50)	ND (50)	NA	ND (50)	ND (50)	ND (50)	ND (50)
Styrene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25) J	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
1,1,2,2-Tetrachloroethane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
1,1,2,2-Tetrachloroethene	52	53	26	31	ND (100)	ND (50)	14	ND (13)	ND (54)	65	ND (25)	41	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Toluene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
1,1,1-Trichloroethane	ND (25)	62	33	67	76	88	40	27	84	110	27	70	32	34	26	28	28	38	39 J-	37
1,1,2-Trichloroethane	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Trichloroethene	93	97	58	82	98	92	47	120	130	53	97	68	69	68	67	67	29	91	72 J-	81
Vinyl Chloride	160	160	74	180	270	300	100	110	310	340	91	180	140	150	99	76	160	210	190 J-	220
o-Xylene	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
m,p-Xylenes	ND (25)	ND (50)	ND (25)	ND (25)	ND (50)	ND (50)	ND (10)	ND (13)	ND (50)	ND (50)	ND (25)	ND (25)	ND (25)	ND (25)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-13S																		
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/22/2010	10/11/2011	8/22/2012	9/5/2013	7/29/2014	8/26/2015	8/31/2016	9/26/2017	8/28/2018	8/26/2019	9/28/2020	9/28/2020 Duplicate
VOCs 8260B (ug/L)																			
Acetone	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10) J	ND (10) J	ND (10)	ND (10)	ND (15)	ND (5)	ND (5)	ND (5)
Benzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromoform	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	97	56	34	34	26	18	21	11	9.4	13	16	14	22	5	7	5	ND (5)	6.4	5.9
trans-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	56	42	23	26	23	18	29	28	23	20	20	17	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	34	19	10	10	9.2	6.6	9	6.7	5	7.4	7	6	7	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	94	66	42	47	40	31	36	30	31	31	31	28	31	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

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1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-16																		
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	7/1/2010	10/11/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	8/31/2016 DUPLICATE	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																			
Acetone	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomform	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methy Ethyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

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1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-18S																
Analyte or Method	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/22/2010	10/11/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																	
Acetone	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	16	ND (5)	ND (5)
Benzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromoform	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-19																		
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/22/2010	10/12/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	Resample 3/29/2017	9/26/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																			
Acetone	ND (100)	ND (200)	ND (200)	ND (20)	ND (40)	ND (20)	ND (20)	ND (40)	ND (40)	ND (20)	ND (50) J	ND (50)	ND (10)	ND (25)	NA	ND (20)	ND (50)	ND (50)	ND (50)
Benzene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Bromodichloromethane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Bromofom	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Bromomethane (Methyl Bromide)	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
2-Butanone (Methyl Ethyl Ketone)	ND (50)	ND (100)	ND (100)	ND (10)	ND (20)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (50) J	ND (50)	ND (10)	ND (25)	NA	ND (20)	ND (50)	ND (50)	ND (50)
Carbon Disulfide	ND (50)	ND (100)	ND (100)	ND (10)	ND (20)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (50)	ND (50)	ND (10)	ND (25)	NA	ND (20)	ND (50)	ND (50)	ND (50)
Carbon Tetrachloride	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Chlorobenzene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Chloroethane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Chloroform (Trichloromethane)	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Chloromethane (Methyl Chloride)	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Dibromochloromethane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
1,1-Dichloroethane	210	240	280	14	92	9.5	63	150	43	150	120	38	73	320	88	42	100	65	65
1,2-Dichloroethane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
1,1-Dichloroethene	80	100	95	5.6	26	ND (5)	22	69	17	63	41	10	14	120	27	11	40	21	20
cis-1,2-Dichloroethene	1,000 D	1,400	1,600	36	240	24	330 D	910 D	260 D	580	620	170	340	3,700	550	220	590	370	410
trans-1,2-Dichloroethene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	18	10	ND (10)	ND (25)	ND (25)	12	63	NA	ND (10)	ND (25)	ND (25)	ND (25)
1,2-Dichloropropane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Cis-1,3-Dichloropropene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
trans-1,3-Dichloropropene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Ethylbenzene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
2-Hexanone	ND (50)	ND (100)	ND (100)	ND (10)	ND (20)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (50) J	ND (50)	ND (10)	ND (25)	NA	ND (20)	ND (50)	ND (50)	ND (50)
Methylene Chloride	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (50)	ND (100)	ND (100)	ND (10)	ND (20)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (50)	ND (50)	ND (10)	ND (25)	NA	ND (25)	ND (25)	ND (25)	ND (25)
Styrene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25) J	ND (25) J	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
1,1,2,2-Tetrachloroethane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Tetrachloroethene	38	ND (50)	ND (50)	15	22	7.4	16	ND (10)	ND (10)	13	ND (25)	ND (25)	ND (5.0)	120	NA	ND (10)	ND (25)	ND (25)	ND (25)
Toluene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
1,1,1-Trichloroethane	120	140	140	22	71	13	54	100	38	87	67	24	36	340	26	11	49	22	19
1,1,2-Trichloroethane	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
Trichloroethene	330	340	100	90	310	54	240 D	140	160	420	110	52	99	3,100	250	94	450	220	220
Vinyl Chloride	ND (25)	ND (50)	66	ND (5)	ND (10)	ND (5)	ND (5)	23	ND (10)	58	39	9	32	190	32	15	40	30	27
o-Xylene	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)
m,p-Xylenes	ND (25)	ND (50)	ND (50)	ND (5)	ND (10)	ND (5)	ND (5)	ND (10)	ND (10)	ND (10)	ND (25)	ND (25)	ND (5.0)	ND (13)	NA	ND (10)	ND (25)	ND (25)	ND (25)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	MW-24S																	
Analyte or Method	6/16/2006	11/29/2006	6/13/2007	12/20/2007	6/11/2008	12/17/2008	6/24/2009	6/28/2010	10/11/2011	8/22/2012	9/5/2013	7/30/2014	8/26/2015	8/31/2016	9/27/2017	8/28/2018	8/26/2019	9/28/2020
VOCs 8260B (ug/L)																		
Acetone	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Tetrachloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	SW-29							SW-34															
Analyte or Method	11/29/2006	12/20/2007	6/24/2009	6/23/2010	10/11/2011	8/22/2012	7/29/2014	11/29/2006	6/13/2007	12/20/2007	6/12/2008	12/18/2008	6/24/2009	6/23/2010	10/11/2011	8/23/2012	9/5/2013	7/29/2014	8/26/2015	8/31/2016	9/26/2017	8/28/2018	9/28/2020
VOCs 8260B (ug/L)																							
Acetone	ND (20)	ND (50)	ND (40)	ND (20)	ND (20)	ND (10)	ND (10)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomform	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (10)	ND (25)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (25)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,2-Dichloroethene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (25)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (25)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-Tetrachloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (13)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

Sample ID	SW-35																		
Analyte or Method	6/16/2006	11/29/2006	12/20/2007	6/12/2008	12/18/2008	6/24/2009	6/23/2010	10/11/2011	8/23/2012	9/5/2013	7/29/2014	8/26/2015	8/31/2016	9/26/2017	8/28/2018	8/28/2018 Duplicate	8/26/2019	8/26/2019 Duplicate	9/28/2020
VOCs 8260B (ug/L)																			
Acetone	ND (20)	ND (20)	ND (20)	ND (20)	ND (20)	ND (40)	ND (20)	ND (20)	ND (10)	ND (10)	ND (10) J	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Benzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromodichloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromoform	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Bromomethane (Methyl Bromide)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Butanone (Methyl Ethyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Disulfide	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Carbon Tetrachloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chlorobenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloroform (Trichloromethane)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Chloromethane (Methyl Chloride)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Dibromochloromethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethane	ND (5)	6.3	8.6	ND (5)	15	19	ND (5)	16	ND (5)	ND (5)	14	6	ND (5)	ND (5)	6	6	ND (5)	ND (5)	ND (5)
1,2-Dichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
cis-1,2-Dichloroethene	20	15	86	ND (5)	140	110	ND (5)	73	11	ND (5)	76	20	ND (5)	7	19	19	ND (5)	ND (5)	ND (5)
trans-1,2-Dichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,2-Dichloropropane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Cis-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
trans-1,3-Dichloropropene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Ethylbenzene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
2-Hexanone	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Methylene Chloride	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
4-Methyl-2-Pentanone (Methyl Isobutyl Ketone)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (20)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)	ND (10)
Styrene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5) J	ND (5) J	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2,2-tetrachloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Methylchloroethene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Toluene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,1-Trichloroethane	ND (5)	ND (5)	10	ND (5)	21	21	ND (5)	8.8	ND (5)	ND (5)	12	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
1,1,2-Trichloroethane	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Trichloroethene	ND (5)	ND (5)	ND (5)	ND (5)	5.1	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
Vinyl Chloride	ND (5)	12	15	ND (5)	27	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
o-Xylene	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)
m,p-Xylenes	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (10)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)	ND (5)

Notes & Abbreviations:

NA: Not Applicable/Not Sampled

ND: Not Detected

D: Diluted (Stopped flagging diluted results starting in 2012.)

R: Rejected

J: Estimated

J-: Estimated and biased low

1. For the December 2008 sampling event, mineral spirits were inadvertently sampled in VE-6 rather than RW-1.

2. Some dates are not shown because samples were not collected during that sampling period.

3. Sample results from June 2006 through the most recent event are shown. Refer to previously prepared semi-annual reports for older historical data.

TABLE IV
SSD SYSTEM FLOOR POINT VACUUM READINGS
 FORMER XEROX B801 FACILITY
 HENRIETTA, NEW YORK

	9/19/2011	9/26/2012	9/27/2013	10/21/2014	9/3/2015	9/8/2016	9/27/2017	10/10/2018	11/19/2018	9/27/2019	10/19/20 - 11/2/20
Location ID	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)	Vacuum Measurement (in. w.c.)
T-1	0.048	0.030	0.021	0.022	0.330	0.029	0.050	0.053		0.052	0.044
T-3	0.741	0.663	0.223	0.215	0.247	0.241	0.304	0.3		0.256	0.196
T-4	0.056	0.063	0.031	0.029	0.043	0.04	0.045	0.045		0.051	0.045
T-7	Inaccessible	0.109	0.066	0.055	0.064	0.06	0.057	0.061		0.064	0.041
T-11	0.089	0.082	0.046	0.008	0.014	0.014	0.016	0.028		0.05	0.018
T-14	0.016	0.016	0.016	0.016	0.014	0.014	0.015	0.014	0.022	0.02	0.021
T-17	0.009	0.016	0.009	0.011	0.010	0.008	0.008	0.010	0.010	0.007	0.007
T-18	0.002	0.002	0.003	0.003	0.003	0.004	0.005	0.000	0.003	0.003	0.005
T-20	0.006	0.004	0.004	0.004	0.004	0.005	0.004	0.003	0.005	0.004	0.004
T-21	0.003	0.002	0.002	0.001	0.002	0.003	0.003	0.003		0.006	0.006
T-22	0.094	0.166	0.123	0.081	0.008	0.099	0.136	0.153		0.04	0.068
T-25	0.015	0.026	0.031	0.026	0.036	0.029	0.051	0.07		0.037	0.031
T-26	0.009	0.012	0.010	0.007	0.006	0.006	0.018	0.023		0.010	0.010
T-28	0.002	0.019	0.010	0.004	0.005	0.003	0.010	0.013		0.007	0.004
T-29	0.010	0.009	0.010	0.009	0.010	0.004	0.006	0.009		0.005	0.009
T-30	0.010	0.014	0.017	0.01	0.019	0.036	0.033	0.036		0.025	0.036
T-31	0.008	0.011	0.009	0.007	0.009	0.014	0.015	0.012		0.005	0.008
T-32	0.059	0.086	0.077	0.054	0.07	0.074	0.081	0.083		0.04	0.042
T-33	0.026	0.058	0.013	0.007	0.012	0.005	0.029	0.039		0.016	0.028
T-34	0.017	0.014	0.007	0.009	0.008	0.008	0.013	0.016		0.013	0.003

Notes:

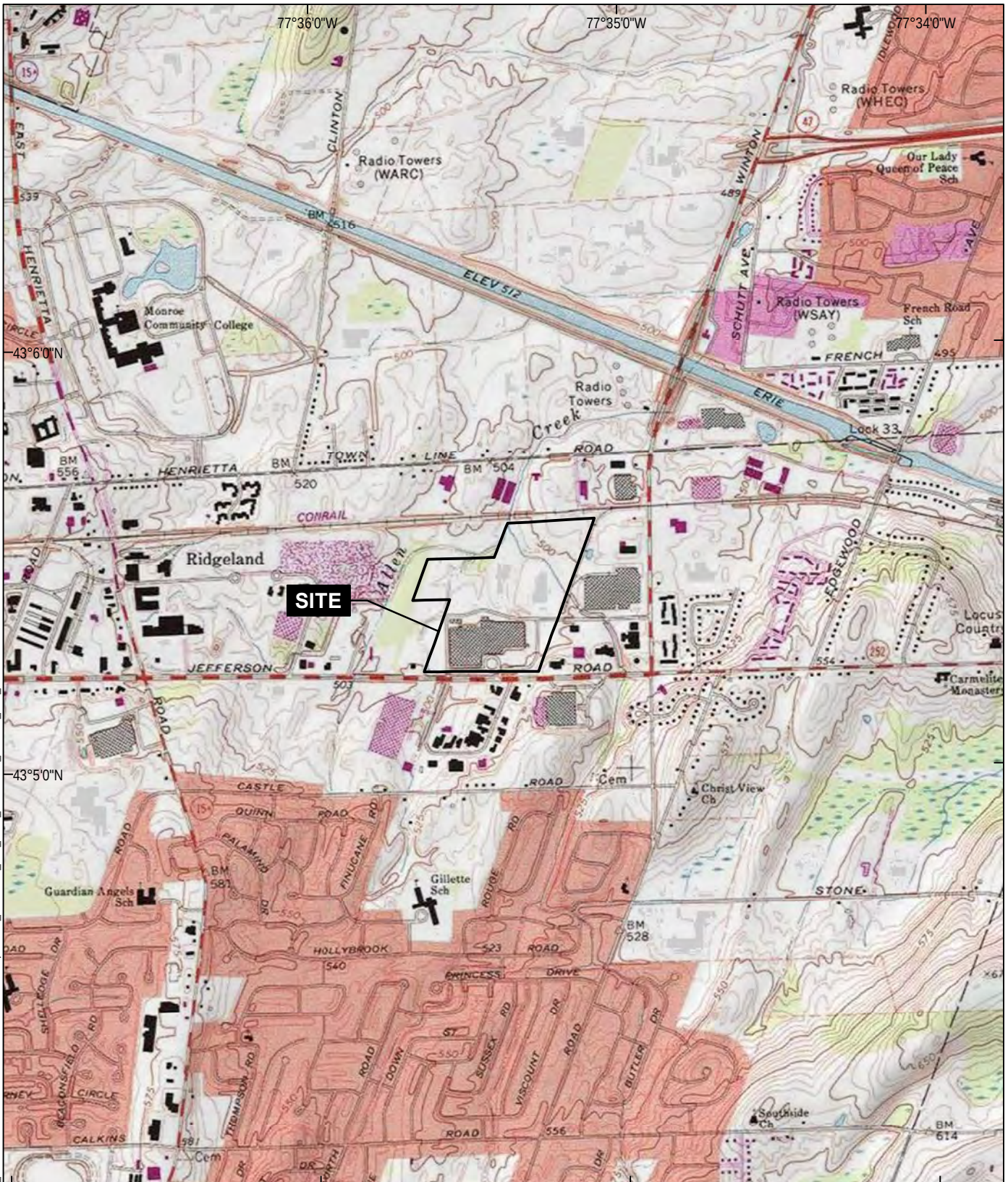
1. NR = Not able to get a reading
2. Values in bold represent readings below the 0.002 inches of water column design criteria.
3. T-2, T-8, T-9, T-10, T-12, T-13, T-15, T-16, T-19, T-23, T-24, and T-27 were decommissioned in 2014 and 2015.

TABLE V
SSD SYSTEM FAN VACUUM READINGS
 FORMER XEROX B801 FACILITY
 HENRIETTA, NEW YORK

Suction Point Location ID	Fan System	9/3/2015 Vacuum Measurement (in. w.c.)	9/8/2016 Vacuum Measurement (in. w.c.)	9/27/2017 Vacuum Measurement (in. w.c.)	10/10/2018 Vacuum Measurement (in. w.c.)	11/19/2018 Vacuum Measurement (in. w.c.)	9/27/2019 Vacuum Measurement (in. w.c.)	10/19/2020 Vacuum Measurement (in. w.c.)
S-1	F-1	24.0	24.0	25.0	24.0		25.0	25.0
S-2		23.0	24.0	25.0	24.0		25.0	25.0
S-3		23.0	23.0	25.0	24.0		24.0	24.0
S-4	F-2	40.0	40.0	40.0	40.0		40.0	40.0
S-5		37.0	36.0	36.0	36.0		36.0	38.0
S-6	F-3	>2.0	>2.0	>2.0	>2.0	>2.0	1.1	1.1
S-7		0.96	0.72	1.00	1.00	0.95	0.24	1.84
S-8		0.75	0.75	2.00	2.00	1.60	1.99	1.80
S-9	F-4	0.66	0.60	0.54	0.64		0.84	0.91
S-10		0.80	0.75	0.65	0.80		1.00	1.00
S-11	F-5	0.15	0.18	0.18	0.19		0.20	0.20
S-12		0.25	0.25	0.25	0.25		0.25	0.25
S-13	F-6	10.0	9.0	10.0	11.0		9.0	9.0
S-14		9.5	9.0	10.0	10.0		8.0	8.0
S-15	F-7	9.0	10.0	10.0	12.0		10.0	11.0
S-16		9.0	10.0	10.0	10.5		9.0	11.0
S-17		8.5	9.0	10.0	10.0		8.5	10.0

FIGURES

GIS FILE PATH: \\haleyaldrich.com\share\loc_0001\PROJECT_LOCUS_TJV.AP1.mxd — USER: anichols — LAST SAVED: 12/14/2020 3:44:18 PM



MAP SOURCE: USGS
USGS QUAD: PITTSFORD, NEW YORK
SITE COORDINATES: 43°5'25"N, 77°35'28"W

**HALEY
ALDRICH**

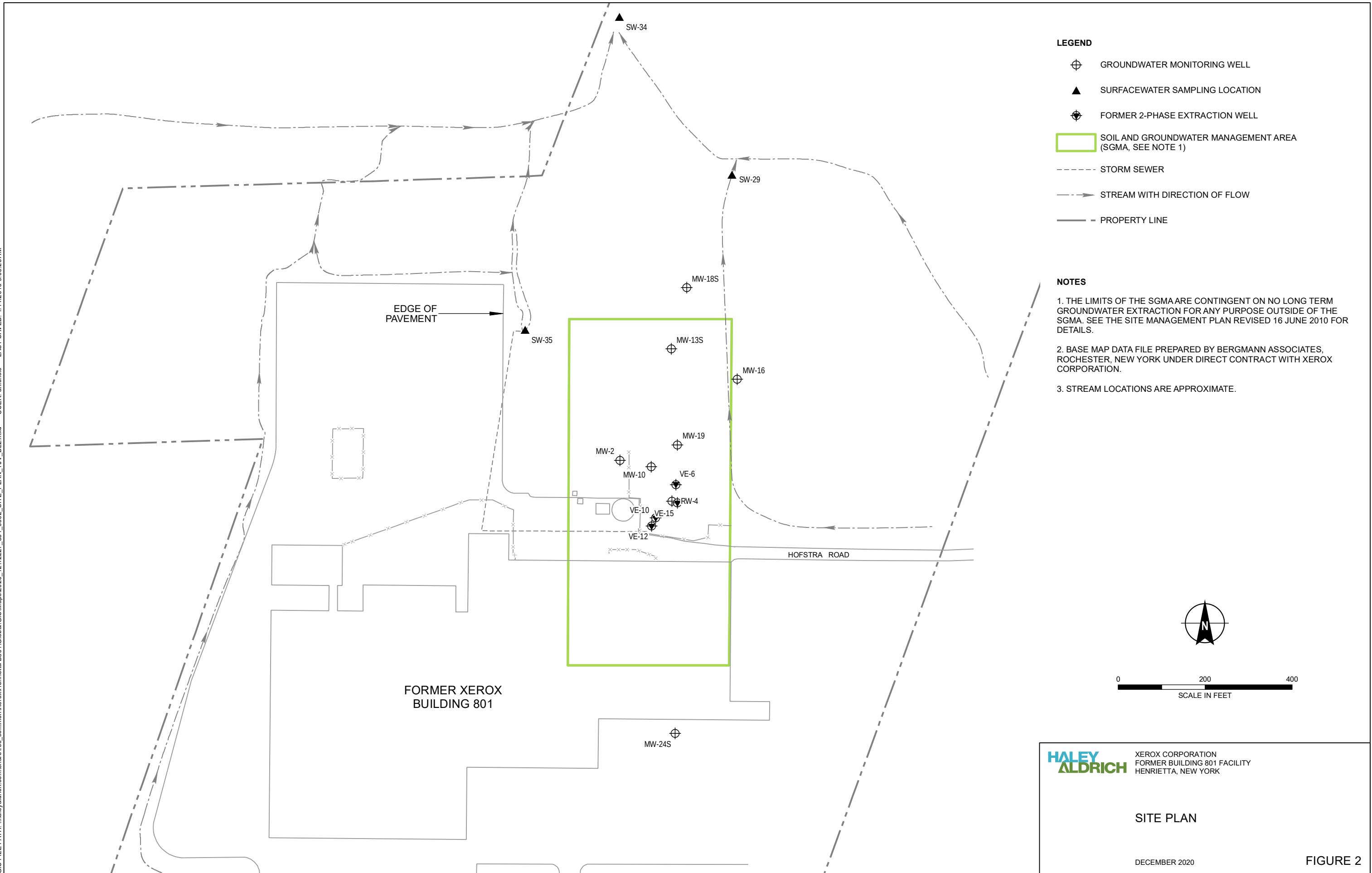
XEROX CORPORATION
FORMER BUILDING 801 FACILITY
HENRIETTA, NEW YORK

PROJECT LOCUS

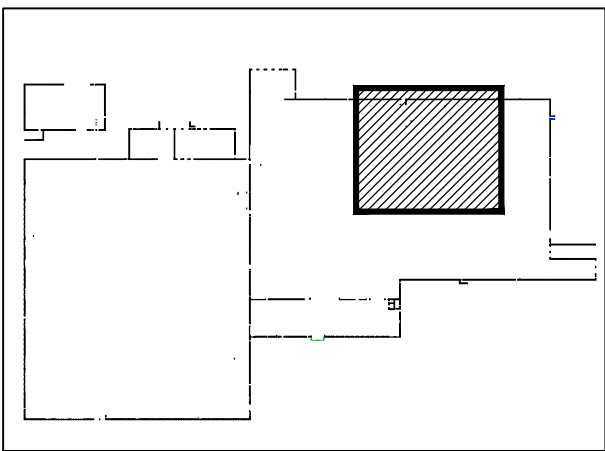
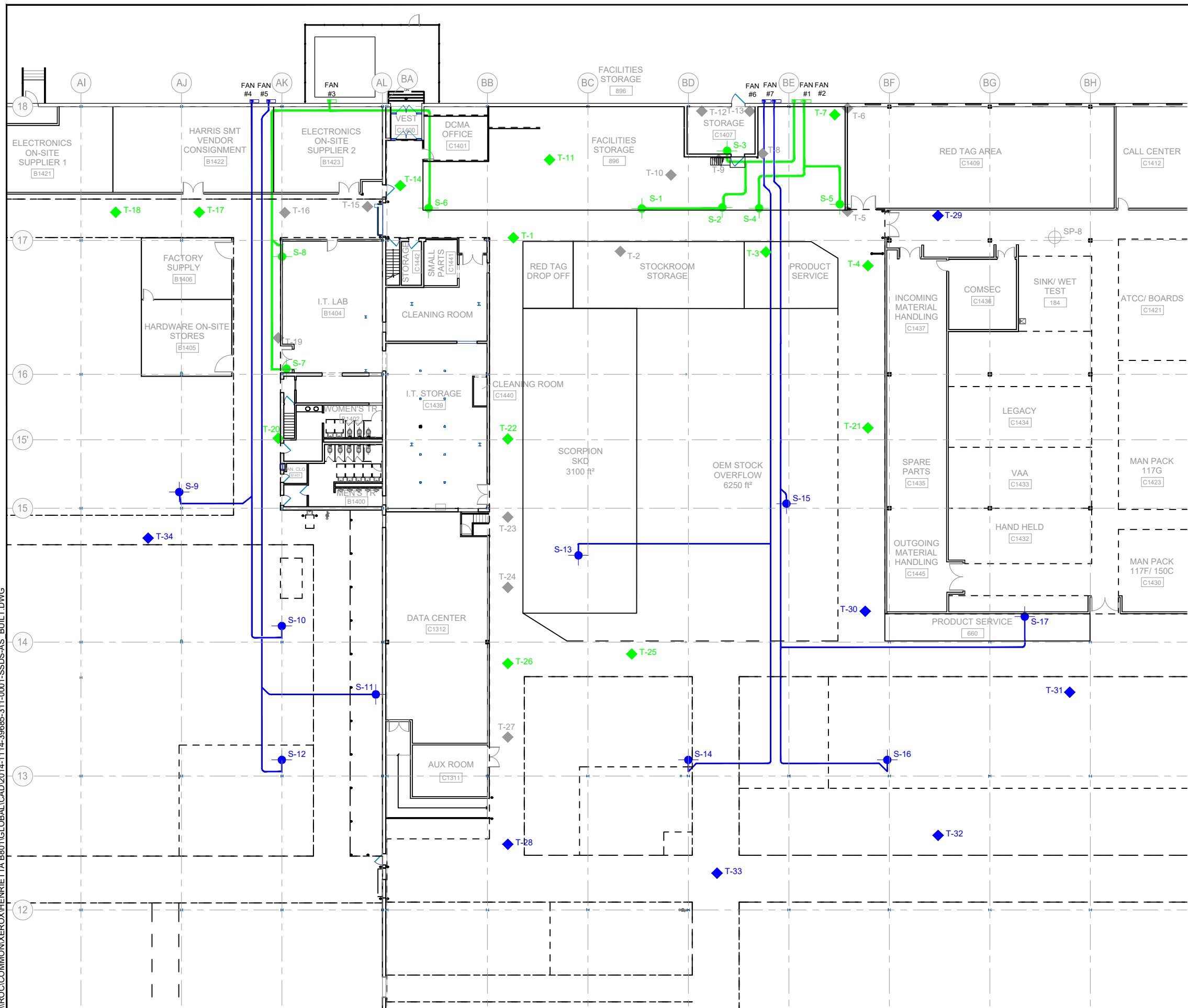
APPROXIMATE SCALE: 1 IN = 2000 FT
DECEMBER 2020

FIGURE 1

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\Xerox\Henrietta B801\Global\GIS\Maps\2020_12\42227_301_0002_SITE_PLAN_TJV_BL2.mxd — USER: anichols — LAST SAVED: 1/14/2016 9:09:26 AM



LIBBY, PAT
\\ROC\COMMON\XEROX\HENRIETTA B801\GLOBAL\CAD\2014-11-14-39685-311-0001-SSDS-AS BUILT.DWG
Printed: 1/13/2016 10:27 AM Layout: FIG 3



SITE KEY
NOT TO SCALE

LEGEND

- SSDS PIPING SYSTEM (XEROX)
- SSDS PIPING SYSTEM (HARRIS)
- T-2 VACUUM TEST LOCATION (XEROX)
- T-29 VACUUM TEST LOCATION (HARRIS)
- S-1 SUCTION LOCATION (XEROX)
- S-10 SUCTION LOCATION (HARRIS)
- DECOMMISSIONED LOCATIONS

NOTES

- BASE PLAN PROVIDED BY HARRIS CORPORATION, 27 OCTOBER 2014.
- SSDS PIPING, SUCTION, AND VACUUM TEST LOCATIONS FOR THE HARRIS SYSTEM WERE PROVIDED BY ERM, 31 MARCH 2011.



0 30 60
SCALE IN FEET

**HALEY
ALDRICH**

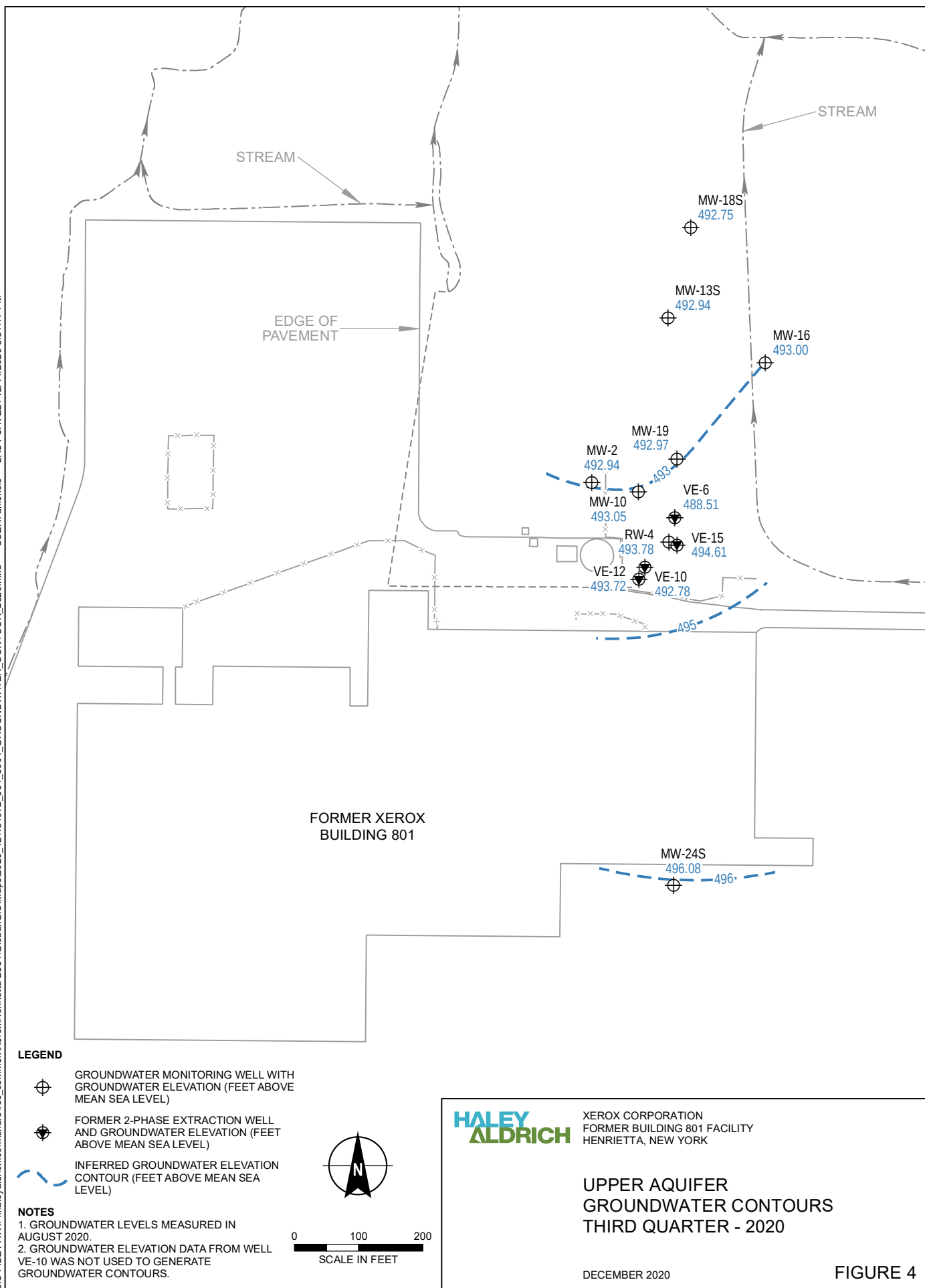
XEROX CORPORATION
FORMER BUILDING 801
HENRIETTA, NEW YORK

**SUB-SLAB DEPRESSURIZATION
SYSTEM PLAN - AS BUILT**

SCALE: AS SHOWN
FEBRUARY 2021

FIGURE 3

GIS FILE PATH: \\haleyaldrich.com\share\roc_common\Xerox\Henrietta B801\GIS\Maps\2020_12\134972_004_0004_GROUNDWATER_CONTOUR_2020.mxd — USER: anichols — LAST SAVED: 12/14/2020 3:31:47 PM



APPENDIX A

Annual Engineering and Institutional Controls Certification Form



Enclosure 2
NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
Site Management Periodic Review Report Notice
Institutional and Engineering Controls Certification Form



Site Details

Box 1

Site No. **828069**

Site Name **Xerox - Henrietta Facility**

Site Address: 1350 Jefferson Road Zip Code: 14623

City/Town: Henrietta

County: Monroe

Site Acreage: ~~2.000~~ **85.98**

Reporting Period: ~~January 15, 2020 to January 15, 2021~~

January 1, 2020 to December 31, 2020

YES NO

1. Is the information above correct?

☐

If NO, include handwritten above or on a separate sheet.

Site acreage and PRR period has been corrected above.

2. Has some or all of the site property been sold, subdivided, merged, or undergone a tax map amendment during this Reporting Period?

☐

3. Has there been any change of use at the site during this Reporting Period (see 6NYCRR 375-1.11(d))?

☐

4. Have any federal, state, and/or local permits (e.g., building, discharge) been issued for or at the property during this Reporting Period?

☐

Short Term MCPW Discharge Permit included at the end of form

If you answered YES to questions 2 thru 4, include documentation or evidence that documentation has been previously submitted with this certification form.

5. Is the site currently undergoing development?

☐

Box 2

YES NO

6. Is the current site use consistent with the use(s) listed below?
Commercial and Industrial

☐

7. Are all ICs in place and functioning as designed?

☐

IF THE ANSWER TO EITHER QUESTION 6 OR 7 IS NO, sign and date below and DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

Description of Institutional Controls

<u>Parcel</u>	<u>Owner</u>	<u>Institutional Control</u>
162.08.1-2	Harris Corporation	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan
Remedial Party - Xerox Corporation		
Continued groundwater monitoring;		
Establishment of a soil and groundwater management area;		
A deed restriction which restricts site use;		
Compliance with the site management plan dated 6/16/10 and revised on 7/30/15 which addresses continued management of residual contamination in the soil and groundwater management area, to address continued O&M of all engineering controls, and provide for periodic certification.		
162.07-1-3	Harris Corporation	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan
Remedial Party - Xerox Corporation		
Continued groundwater monitoring;		
Continued operation and monitoring of the sub-slab depressurization system;		
Establishment of a soil and groundwater management area;		
A deed restriction which restricts site use;		
Compliance with the site management plan dated 6/16/10 and revised on 7/30/15 which addresses continued management of residual contamination in the soil and groundwater management area, to address continued O&M of all engineering controls, and provide for periodic certification.		
162.08-1-1	Harris Corporation	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan
Remedial Party - Xerox Corporation		
Continued groundwater monitoring;		
Establishment of a soil and groundwater management area;		
A deed restriction which restricts site use;		
Compliance with the site management plan dated 6/16/10 and revised on 7/30/15 which addresses continued management of residual contamination in the soil and groundwater management area, to address continued O&M of all engineering controls, and provide for periodic certification.		
162.08-1-30	Harris Corporation	Ground Water Use Restriction Landuse Restriction Monitoring Plan Site Management Plan
Remedial Party - Xerox Corporation		
Continued groundwater monitoring;		
Continued operation and monitoring of the sub-slab depressurization system;		
A deed restriction which restricts site use;		
Compliance with the site management plan dated 6/16/10 and revised on 7/30/15 which addresses		

continued management of residual contamination in the soil and groundwater management area, to address continued O&M of all engineering controls, and provide for periodic certification.

162.08-1-31

Harris Corporation

Remedial Party - Xerox Corporation

Landuse Restriction
Ground Water Use Restriction
Monitoring Plan
Site Management Plan

Continued groundwater monitoring;

A deed restriction which restricts site use;

Compliance with the site management plan dated 6/16/10 and revised on 7/30/15 which addresses continued management of residual contamination in the soil and groundwater management area, to address continued O&M of all engineering controls, and provide for periodic certification.

Box 4

Description of Engineering Controls

Parcel

Engineering Control

162.07-1-3

Vapor Mitigation

162.08-1-30

Vapor Mitigation

Periodic Review Report (PRR) Certification Statements

1. I certify by checking "YES" below that:

- a) the Periodic Review report and all attachments were prepared under the direction of, and reviewed by, the party making the Engineering Control certification;
- b) to the best of my knowledge and belief, the work and conclusions described in this certification are in accordance with the requirements of the site remedial program, and generally accepted engineering practices; and the information presented is accurate and complete.

YES NO

☒ ☐

2. For each Engineering control listed in Box 4, I certify by checking "YES" below that all of the following statements are true:

- (a) The Engineering Control(s) employed at this site is unchanged since the date that the Control was put in-place, or was last approved by the Department;
- (b) nothing has occurred that would impair the ability of such Control, to protect public health and the environment;
- (c) access to the site will continue to be provided to the Department, to evaluate the remedy, including access to evaluate the continued maintenance of this Control;
- (d) nothing has occurred that would constitute a violation or failure to comply with the Site Management Plan for this Control; and
- (e) if a financial assurance mechanism is required by the oversight document for the site, the mechanism remains valid and sufficient for its intended purpose established in the document.

YES NO

There is no financial assurance requirement for this site.

☒ ☐

**IF THE ANSWER TO QUESTION 2 IS NO, sign and date below and
DO NOT COMPLETE THE REST OF THIS FORM. Otherwise continue.**

A Corrective Measures Work Plan must be submitted along with this form to address these issues.

Signature of Owner, Remedial Party or Designated Representative

Date

IC CERTIFICATIONS
SITE NO. 828069

Box 6

SITE OWNER OR DESIGNATED REPRESENTATIVE SIGNATURE

I certify that all information and statements in Boxes 1,2, and 3 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Marcus Lathrop at 800 Phillips Rd., Webster, NY 14580,
print name print business address

am certifying as Manager, Assessment & Environmental Operations (Owner or **Remedial Party**)

for the Site named in the Site Details Section of this form.



Signature of Owner, Remedial Party, or Designated Representative
Rendering Certification

2/12/2021

Date

EC CERTIFICATIONS

Box 7

Professional Engineer Signature

I certify that all information in Boxes 4 and 5 are true. I understand that a false statement made herein is punishable as a Class "A" misdemeanor, pursuant to Section 210.45 of the Penal Law.

I Janice Szucs at Haley & Aldrich of New York
print name 200 Town Centre Dr., Ste 2, Rochester, NY 14623
print business address

am certifying as a Professional Engineer for the Remedial Party
(Owner or Remedial Party)



Signature of Professional Engineer, for the Owner or Remedial Party, Rendering Certification

Stamp
(Required for PE)

2/12/21
Date

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. 8574

ST- Permit No: 399

Fee: \$125.00

Expires: 4/30/2020 ^{dw} 2021

FirmName

LaBella Associates OPC

Address

300 State Street

Rochester NY 14614

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated 10/21/2020 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. See Enclosure

B. _____

C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print)

Michael F. Pelychaty

Applicant's Signature

Michael F. Pelychaty

Date

10/21/2020

Applicant's Title

Project Manager

Phone

585-245-6253

Emergency Contact

Don Neil

Phone

585-245-6611

Renewal Approved by:

Michael J. Garland

Issued this

5th day of Nov 20 20

Michael J. Garland, P.E.

Director of Environmental Services-Pure Waters

Monroe County

**COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE**

LaBella Associates, DPC
300 State Street
Rochester, NY 14614

PERMIT NUMBER: ST-399
DISTRICT NUMBER: 8574

SITE LOCATION: 1350 Jefferson Road, Henrietta, New York 14623
TYPE OF BUSINESS: Industrial Site/Groundwater from Construction Activities
SAMPLE POINT: Tank

REQUIRED MONITORING

SELF MONITORING FREQUENCY: Each Tank Discharge

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. A grab sample, collected from the above noted sample point shall be analyzed for the following:

* Volatile Organic Compounds

* The summation of all volatile organic compounds reported greater than 10 µg/l shall not exceed 2.13 mg/L.

SPECIAL CONDITIONS:

- 1. Sample results for each tank must be reviewed and approved by Monroe County prior to discharge.**
- 2. Discharge location and rate to be approved by Town of Henrietta.**
- 3. Treatment system is to be inspected and approved by Monroe County prior to discharge if treatment is required.**
- 4. The summation of volatile organic compounds detected greater than 10 µg/L cannot be greater than 2.13 mg/L.**

DW: 10/29/2020

ST-399



TOWN OF HENRIETTA

County of Monroe • State of New York
475 Calkins Road, P.O. Box 999, Henrietta, N.Y. 14467
(585) 334-7700 • www.henrietta.org

STEPHEN L. SCHULTZ
Supervisor

CRAIG C. ECKERT
Deputy Town Supervisor

ROBERT BARLEY, JR.
MICHAEL J. STAFFORD
MILLIE C. SEFRANEK
LISA S. BOLZNER
Council Members

November 2, 2020

Mr. Michael Pelychaty, PG
Senior Environmental Geologist
LaBella Associates
300 State Street, Suite 201
Rochester, New York 14614

Re: Temporary Short Term Discharge to Town of Henrietta Sanitary Sewers
L3Harris Technologies
1350 Jefferson Road

Dear Mr. Pelychaty:

The Town of Henrietta has reviewed and approved your request for discharging groundwater from the remediation being performed at the L3Harris Technologies facility located at 1350 Jefferson Road into the Town's sanitary sewer system with the following conditions:

1. The groundwater discharge going into the Town's sanitary sewer system shall not exceed the thresholds indicated in Section 219-12 of the Henrietta Town Code.
2. The flow rate going into the sanitary sewer cannot exceed five gallons per minute.
3. The groundwater cannot be discharged into the sanitary sewer during a rainfall event.
4. The Town Sewer Department shall be notified at (585) 729-7563 twenty-four hours prior to any work taking place.

L3Harris Technologies
1350 Jefferson Road
November 2, 2020
Page 2

If you have any questions regarding the above, please contact me at (585) 359-7070.

Sincerely,



Christopher E. Martin, P.E.
Director of Engineering & Planning

cc: Donald Wolf – Monroe County Department of Environmental Services
Kevin Wilson – Director of Building & Fire Prevention
Michael Catalano – Drainage, Sewer, and Sidewalk Foreman
File

Chris Martin

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Monday, November 2, 2020 10:59 AM
To: Chris Martin
Subject: FW: Groundwater Lab testing
Attachments: permit Application 1350 Jefferson Rd.pdf

Chris,

Per our conversation, below is the following information you requested. Most of this information was provided to Don Wolf with MCPW as part of the permit. Please let me know if you require and additional information.

Contact person name, phone #	Michael Pelychaty, PG Office: 585-295-6253 Cell: 585-507-7198 mpelychaty@labellapc.com
Site name, address	L3Harris Technologies, 1350 Jefferson Road, Henrietta, New York 14623
Water Source	Water was pumped from an approximate 3 ft excavation to install a foundation for a new building that borders the north side of the building
Quantity of wastewater to be discharged	Approximately 5,000 gallons.
Discharge Method	Understand cannot discharge during rain events and limit is 5 gallons per minute
Expected date of discharge	Between November 2020 to December 2020
Project duration	1 to 5 days

Michael Pelychaty, PG

LaBella Associates | Sr. Environmental Geologist

585-295-6253 direct
585-454-6110 office

From: Donald Wolf [mailto:DonaldWolf@monroecounty.gov]
Sent: Friday, October 30, 2020 2:30 PM
To: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Subject: RE: Groundwater Lab testing

You will need to contact Chris Martin from the Town of Henrietta to get approval for a discharge location and rate. His number is 359-7056, or email: cmartin@henrietta.org
I told him that this is part of a short term permit application at 1350 Jefferson Road and the County has no issue with the discharge.
The discharge cannot be approved by the County until I receive the Henrietta approval letter (which Chris said he could cc to me).

Donald Wolf

Industrial Waste Engineer

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. _____

ST- Permit No: _____

Fee: \$125.00

Expires: _____

FirmName LaBella Associates OPC
Address 300 State Street
Rochester NY 14614

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated 10/21/2020 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. _____
B. _____
C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) Michael F. Pelychaty

Applicant's Signature Michael F. Pelychaty Date 10/20/2020

Applicant's Title Project Manager Phone 585-245-6253

Emergency Contact Don Neil Phone 585-245-6611

Renewal Approved by: _____ Issued this ____ day of _____ 20 ____.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County



LBEASS-01

AKEEFE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/23/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Paris-Kirwan Associates, Inc. PO Box 40420 Rochester, NY 14604	CONTACT NAME: PHONE (A/C, No, Ext): (585) 473-8000 FAX (A/C, No): (585) 340-1714 E-MAIL ADDRESS: reception@paris-kirwan.com														
INSURED LaBella Associates, PC & LaBella Associates, DPC 300 State Street, Suite 201 Rochester, NY 14614	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th style="text-align: left;">INSURER(S) AFFORDING COVERAGE</th> <th style="text-align: left;">NAIC #</th> </tr> <tr> <td>INSURER A : Acadia Insurance Company</td> <td>31325</td> </tr> <tr> <td>INSURER B : Union Insurance Company</td> <td>25844</td> </tr> <tr> <td>INSURER C :</td> <td></td> </tr> <tr> <td>INSURER D :</td> <td></td> </tr> <tr> <td>INSURER E :</td> <td></td> </tr> <tr> <td>INSURER F :</td> <td></td> </tr> </table>	INSURER(S) AFFORDING COVERAGE	NAIC #	INSURER A : Acadia Insurance Company	31325	INSURER B : Union Insurance Company	25844	INSURER C :		INSURER D :		INSURER E :		INSURER F :	
INSURER(S) AFFORDING COVERAGE	NAIC #														
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INSURER D :															
INSURER E :															
INSURER F :															

COVERAGES**CERTIFICATE NUMBER:****REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:			CPA5365357-12	11/7/2019	11/7/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			CAA5365358-12	11/7/2019	11/7/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000			CUA5365359-12	11/7/2019	11/7/2020	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
B	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☒ Y ☐ N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	WCA5365360-11	11/7/2019	11/7/2020	☒ PER STATUTE ☐ OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Scheduled Equipment			CPA5365357-12	11/7/2019	11/7/2020	\$500 Ded. 416,942

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

If Additional Insured or Waiver of Subrogation status is noted for any policies, coverage applies only if required in a written contract or agreement.

*****PROOF OF INSURANCE*****

CERTIFICATE HOLDER**CANCELLATION**

LaBella Associates, PC & LaBella Associates, DPC 300 State Street, Suite 201 Rochester, NY 14614	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE

STATE OF NEW YORK
WORKERS' COMPENSATION BOARD

CERTIFICATE OF NYS WORKERS' COMPENSATION INSURANCE COVERAGE

1a. Legal Name and address of Insured (Use street address only) LaBella Associates, P.C. & LaBella Associates, DPC 300 State Street, Suite 201 Rochester, NY 14614 <i>Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e. a Wrap-Up Policy)</i>	1b. Business Telephone Number of Insured (585) 454-6110 1c. NYS Unemployment Insurance Employer Registration Number of Insured 1d. Federal Employer Identification Number of Insured or Social Security Number 16-1115731
2. Name and Address of the Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) Monroe County Department of Environmental Services Industrial Waste Control 145 Paul Rd, Bldg. 1 Rochester, NY 14624	3a. Name of Insurance Carrier Union Insurance Company 3b. Policy Number of entity listed in box "1a": WCA5365360-11 3c. Policy effective period: 11/7/19 TO 11/7/20 3d. The Proprietor, Partners or Executive Officers are: ☒ included. (Only check box if all partners/officers included) ☐ all excluded or certain partners/officers excluded.

This certifies that the insurance carrier indicated above in box "3" insures the business referenced above in box "1a" for workers' compensation under the New York State Workers' Compensation Law. (To use this form, New York (NY) must be listed under **Item 3A** on the INFORMATION PAGE of the workers' compensation insurance policy). The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed above as the certificate holder in box "2".

The Insurance Carrier will also notify the above certificate holder within 10 days IF a policy is canceled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from the coverage indicated on this Certificate. (These notices may be sent by regular mail.) Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in box "3c", whichever is earlier.

Please Note: Upon the cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has the coverage as depicted on this form.

Approved by: Lawrence Stanney
(Print name of authorized representative or licensed agent of insurance carrier)

Approved by: Lawrence Stanney 11/6/19
(Signature) (Date)

Title: President

Telephone Number of authorized representative or licensed agent of insurance carrier:

Please Note: Only insurance carriers and their licensed agents are authorized to issue the C-105.2 form. Insurance brokers are **NOT** authorized to issue it.

C-105.2 (9-07)

www.wcb.state.ny.us

Workers' Compensation Law

Section 57. Restriction on issue of permits and the entering into contracts unless compensation is secured.

1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.

2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.



October 28, 2020

Monroe County Department of Environmental Services
Office of Industrial Waste
145 Paul Road, Bldg. 1
Rochester, New York 14624
Ph: (585)-753-5441

Attn: Donald Wolf
Industrial Waste Engineer

Re: Specialty Short Term Discharge Permit
1350 Jefferson Road,
Henrietta, New York 14623

Dear Mr. Wolf,

LaBella Associates, D.P.C. (LaBella) is submitting this permit application on behalf of L3Harris Technologies, for the Site located at the address of 1350 Jefferson Road in the Town of Henrietta, New York. The Site has been assigned New York State Department of Environmental Conservation (NYSDEC) Site #C828069 by the NYSDEC. During excavation work on the building foundation, groundwater was pumped and stored in a storage tank. The discharge location will be confirmed with the Town of Henrietta. This letter and its attachments represent an application for a Specialty Short Term Discharge Permit to dispose of this treated water in the Monroe County sanitary sewer.

PROJECT INFORMATION

The following table provides information requested in the Permit application:

a) Contractor or environmental representative name	LaBella Associates, D.P.C. 300 State Street, Suite 201 Rochester, NY 14614
b) Contact person name, phone #	Michael Pelychaty, PG Office: 585-295-6253 Cell: 585-507-7198 mpelychaty@labellapc.com
c) Site name, address	L3Harris Technologies, 1350 Jefferson Road, Henrietta, New York 14623
d) Description of site work and history of site. Site history should include current and past businesses and activities or products produced.	Xerox Corporation refurbished photocopier machines at the Site between 1972 and 1978. The machine parts were cleaned in the northeast corner of the building using chlorinated solvent blends and/or detergent washes. In 1986, Xerox Corporation initiated investigative activities to evaluate environmental conditions as they related to former copier refurbishing operations. Solvent contamination was identified in a surface water drainage feature to the north of the facility as well as

SAMPLING AND ANALYTICAL RESULTS

One water sample (refer to attached lab report L2043125) was collected from a batch water tank and tested for VOCs using Method 624. The results of the analysis indicate a total of 4.29 ug/l of VOCs was detected in the sample.

WATER DISCHARGE

The Town of Henrietta will be contacted to determine the discharge location. The water will be discharged at an average rate of approximately 5 to 10 gallons per minute (GPM).

CONTINUED SAMPLING

The primary contaminant of concern at the Site is VOCs. Any further discharge requests under this permit will be submitted via email with an additional representative sample was collected from the tank.

If you have any questions, please do not hesitate to contact me at (585) 295-6253.

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.



Michael F. Pelychaty, PG
Project Manager

	in the soil, sediment, and groundwater beneath portions of the site. Xerox subsequently entered into an Order on Consent with the NYSDEC in February 1990 to conduct a Remedial Investigation/Feasibility Study and Interim Remedial Measure. The site is listed as a New York State (NYS) Inactive Hazardous Waste Disposal Site Program Site #828069. The site compounds of concern (COCs) include methylene chloride, 1,1-dichloroethene (1,1- DCE), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-dichloroethane (1,2-DCA), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride (VC), and mineral spirits. L3 Harris Technologies currently owns the property and operates the building.
e) Former/current contents of underground storage tanks and/or material spilled and/or history of site contaminants.	Not Applicable
f) Quantity of wastewater to be discharged	Approximately 5,000 gallons.
g) Method of treatment (if applicable)	Direct to sewer
h) Method to control solids discharge (if applicable)	Not Applicable
i) Expected date of discharge	Between October 2020 to December 2020
j) Project duration	1 to 5 days

WORKER'S COMPENSATION

As required, a copy of LaBella's Certificate of Insurance is attached.

FEE

A check in the amount of \$125 will be provided to:

Monroe County Department of Environmental Services
Industrial Waste Control
145 Paul Road, Bldg. 1
Rochester, New York 14624

APPENDIX B

Laboratory Analytical Data Report



October 14, 2020

Service Request No:R2008969

Missy Bessey
Xerox Corporation USA
800 Phillips Road
Bldg #205-99F
Webster, NY 14580

Laboratory Results for: Bldg 801 Area Wells

Dear Missy,

Enclosed are the results of the sample(s) submitted to our laboratory September 28, 2020
For your reference, these analyses have been assigned our service request number **R2008969**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7475. You may also contact me via email at Meghan.Pedro@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Meghan Pedro
Project Manager

CC: Janice Szucs

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Received: 09/28/2020

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

Nineteen water samples were received for analysis at ALS Environmental on 09/28/2020. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Sampling was performed by ALS personnel in accordance with ALS Field Sampling SOPs or by client specifications.

Volatiles by GC/MS:

Method 8260C, 10/08/2020: The upper control criterion was exceeded for one or more analytes in the Laboratory Control Sample (LCS). There were no detections of the analyte(s) above the MRL in the associated field samples. The error associated with elevated recovery equates to a high bias. The sample data is not significantly affected. No further corrective action was appropriate.

Method 8260C, 10/08/2020: The upper control limit was exceeded for one or more analytes in the Continuing Calibration Verification (CCV). The field samples analyzed in this sequence did not contain the analyte(s) in question above the Method Reporting Limit (MRL). Since the exceedance equates to a potential high bias, the data quality was not significantly affected and no further corrective action was taken.

Approved by Meghan Pedro

Date 10/14/2020

SAMPLE DETECTION SUMMARY

CLIENT ID: VE-6	Lab ID: R2008969-001

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane	540			500	ug/L	8260C
cis-1,2-Dichloroethene	11000			500	ug/L	8260C
Vinyl Chloride	2700			500	ug/L	8260C

CLIENT ID: VE-10	Lab ID: R2008969-002

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloroethane	1100			100	ug/L	8260C
1,1-Dichloroethane	180			100	ug/L	8260C
cis-1,2-Dichloroethene	130			100	ug/L	8260C
Vinyl Chloride	3600			100	ug/L	8260C

CLIENT ID: VE-12	Lab ID: R2008969-003

Analyte	Results	Flag	MDL	MRL	Units	Method
2-Butanone (MEK)	570			500	ug/L	8260C
Chloroethane	8600			250	ug/L	8260C
1,1-Dichloroethane	850			250	ug/L	8260C
cis-1,2-Dichloroethene	500			250	ug/L	8260C
Toluene	660			250	ug/L	8260C
Vinyl Chloride	3200			250	ug/L	8260C

CLIENT ID: VE-15	Lab ID: R2008969-004

Analyte	Results	Flag	MDL	MRL	Units	Method
Chloroethane	370			13	ug/L	8260C
1,1-Dichloroethane	150			13	ug/L	8260C
trans-1,2-Dichloroethene	17			13	ug/L	8260C

CLIENT ID: RW-4	Lab ID: R2008969-005

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane	19			5.0	ug/L	8260C
cis-1,2-Dichloroethene	16			5.0	ug/L	8260C
Trichloroethene	7.3			5.0	ug/L	8260C
Vinyl Chloride	9.0			5.0	ug/L	8260C

CLIENT ID: MW-10	Lab ID: R2008969-007

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane	130			25	ug/L	8260C
cis-1,2-Dichloroethene	740			25	ug/L	8260C
1,1,1-Trichloroethane	37			25	ug/L	8260C
Trichloroethene	81			25	ug/L	8260C
Vinyl Chloride	220			25	ug/L	8260C

CLIENT ID: MW-13S	Lab ID: R2008969-008

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	6.4			5.0	ug/L	8260C

SAMPLE DETECTION SUMMARY

CLIENT ID: MW-19			Lab ID: R2008969-011			

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane	65			13	ug/L	8260C
1,1-Dichloroethene	20			13	ug/L	8260C
cis-1,2-Dichloroethene	410			13	ug/L	8260C
1,1,1-Trichloroethane	19			13	ug/L	8260C
Trichloroethene	220			13	ug/L	8260C
Vinyl Chloride	27			13	ug/L	8260C

CLIENT ID: MW-13S Dup			Lab ID: R2008969-016			

Analyte	Results	Flag	MDL	MRL	Units	Method
cis-1,2-Dichloroethene	5.9			5.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request:R2008969

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2008969-001	VE-6	9/28/2020	1115
R2008969-002	VE-10	9/28/2020	1155
R2008969-003	VE-12	9/28/2020	1205
R2008969-004	VE-15	9/28/2020	1135
R2008969-005	RW-4	9/28/2020	1145
R2008969-006	MW-2	9/28/2020	1045
R2008969-007	MW-10	9/28/2020	1100
R2008969-008	MW-13S	9/28/2020	0900
R2008969-009	MW-16	9/28/2020	1010
R2008969-010	MW-18S	9/28/2020	0835
R2008969-011	MW-19	9/28/2020	0950
R2008969-012	MW-24S	9/28/2020	1220
R2008969-014	SW-34	9/28/2020	1025
R2008969-015	SW-35	9/28/2020	1240
R2008969-016	MW-13S Dup	9/28/2020	0900
R2008969-018	Trip Blank	9/28/2020	0835

Project Name 801 Area Wells		Project Number		ANALYSIS REQUESTED (Include Method Number and Container Preservative)																					
Project Manager Lisa Esparichian		Report CC		PRESERVATIVE																					
Company/Address Xerox																									
Phillips Rd Webster, NY																									
Phone # 585-422-3077		Email																							
Sampler's Signature [Signature]		Sampler's Printed Name Kyle Lee																							
CLIENT SAMPLE ID		FOR OFFICE USE ONLY LAB ID		SAMPLING DATE		TIME		MATRIX																	
Trip Blank		-018		9/28/2000		0835		W		3		X													
MW-189		-010				0835		W		3		X													
MW-139		-008		9/28/00		0900		W		3		X													
MW-139		-008-016				0900		W		3		X		DUP											
MW-19		-011				0950		W		3		X													
MW-16		-009				1010		W		3		X													
SW-29						No Sample		Point		TS		Dry													
SW-34		-014				1025		W		3		X													
MW-2		-066				1045		W		3		X													
MW-10		-007				1100		W		3		X													
VE-6		-001				1115		W		3		X													
SPECIAL INSTRUCTIONS/COMMENTS Metals										TURNAROUND REQUIREMENTS RUSH (SURCHARGES APPLY) 1 day 2 day 3 day 4 day 5 day Standard (10 business days-No Surcharge) REQUESTED REPORT DATE				REPORT REQUIREMENTS I. Results Only II. Results + QC Summaries (LCS, DUP, MS/MSD as required) III. Results + QC and Calibration Summaries IV. Data Validation Report with Raw Data Edata Yes No				INVOICE INFORMATION PO # BILL TO:							
See OAPP ☐																									
STATE WHERE SAMPLES WERE COLLECTED																									
RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY		RELINQUISHED BY		RECEIVED BY											
Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]		Signature [Signature]											
Printed Name Kyle Lee		Printed Name Daniel White		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name		Printed Name											
Firm ALG		Firm ALG		Firm		Firm		Firm		Firm		Firm		Firm											
Date/Time 9/28/2000 1315		Date/Time 9/28/2000 1315		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time		Date/Time											
R2008969 + 5 Xerox Corporation USA Bldg 801 Area Wells [Barcode]																									



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID MW-183

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2020 Time 0835 SWL 7.26

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 65° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID MW-13S Dup

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2000 Time 0900 SWL 7.36

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 67° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee/QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID MW-19

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2000 Time 0950 SWL 7.37

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 67° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee/CPK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time ____/____/____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID MW-16

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2020 Time 1010 SWL 10.42

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 70° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time / / : :

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID SW-29

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 9/28/2020 Time _____ SWL _____

Recharge Time _____ Recharge Rate _____

Appearance _____

Weather Conditions Sun 70° 48 hr. Sun-80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time ____/____/____

OBSERVATIONS

No Sample: Point Dry



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID SW-34

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 9/28/2020 Time 1025 SWL —

Recharge Time — Recharge Rate —

Appearance Tan tint

Weather Conditions Sun 70° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / PK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.67	7.67
Myron 6p	Conductivity	µmhos/cm	2111	2112
Myron 6p	Temperature	Degrees Celsius	17.1	17.1

Calibration Date/Time 9/28/2020 1000 pH 7.00 4.00 10.00
SC 1413 Set 1413

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID NW-2

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2020 Time 1045 SWL 6.06

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 67° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time / /

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID MW-10

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____
SWL (ft.) _____ Start Time _____ Stop Time _____
Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____
Well Constant (gal/ft.) _____ Observations _____
Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2020 Time 1100 SWL 5.56

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 73° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	umhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID VE-6

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PRB

Date 9/28/2020 Time 1115 SWL 5.55

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 74° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee/QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time ____/____/____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID VE-15

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2020 Time 1135 SWL 5.83

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 74° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee/QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID RW-4

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/28/2020 Time 1145 SWL 5.06

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 74° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time —/—/—

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID VE-10

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 9/28/2020 Time 1155 SWL 5.40

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 78° 48 hr. Sun-80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time —

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Well LAB ID _____

SAMPLE POINT ID VE-12

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 9/28/2020 Time 1205 SWL 5.41

Recharge Time _____ Recharge Rate _____

Appearance Clear

Weather Conditions Sun 78° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Wells LAB ID _____

SAMPLE POINT ID MW-245

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method PDB

Date 9/20/2020 Time 1220 SWL 5.12

Recharge Time — Recharge Rate —

Appearance Clear

Weather Conditions Sun 79° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee / QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit		
Myron 6p	Conductivity	µmhos/cm		
Myron 6p	Temperature	Degrees Celsius		

Calibration Date/Time _____

OBSERVATIONS



FIELD MONITORING REPORT

PROJECT Xerox 801 Area Well LAB ID _____

SAMPLE POINT ID SW-35

PURGE INFORMATION

Well Depth (ft.) _____ Purge Date _____ Purge Method _____

SWL (ft.) _____ Start Time _____ Stop Time _____

Standing Water (ft.) _____ Volume Purged gal. _____ # casings _____

Well Constant (gal/ft.) _____ Observations _____

Well Volume (gal.) _____

SAMPLING INFORMATION

Sample Method Grab

Date 9/28/2020 Time 1240 SWL —

Recharge Time — Recharge Rate —

Appearance Tan tint

Weather Conditions Sun 80° 48 hr. Sun ~80°

Sampling Technician (Print) Kyle Lee/QK Signature [Signature]

Meter	Parameter	Unit	Replicate 1	Replicate 2
Myron 6p	pH	unit	7.67	7.68
Myron 6p	Conductivity	µmhos/cm	6658	6659
Myron 6p	Temperature	Degrees Celsius	20.1	20.1

Calibration Date/Time 9/28/2020 1000

OBSERVATIONS



Cooler Receipt and Preservation Check Form

R2008969

5

Xerox Corporation USA
Bldg 601 Area Wells



Project/Client Xerox

Folder Number _____

Cooler received on 9/28/2020

by: SW

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y ☒ N ☐
2	Custody papers properly completed (ink, signed)?	☒ Y ☐ N
3	Did all bottles arrive in good condition (unbroken)?	☒ Y ☐ N
4	Circle: <u>Wet Ice</u> Dry Ice Gel packs present?	☒ Y ☐ N

5a	Perchlorate samples have required headspace?	Y ☐ N ☒ NA
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y ☒ NA
6	Where did the bottles originate?	<u>ALS/ROC</u> CLIENT
7	Soil VOA received as:	Bulk Encore 5035set <u>NA</u>

3. Temperature Readings Date: 9/28/2020 Time: 1320 ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)							
Within 0-6°C?	☒ Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N
If <0°C, were samples frozen?	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N	Y ☐ N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: R002 by SW on 9/28/2020 at 1320
5035 samples placed in storage location: _____ by _____ on _____ at _____ within 48 hours of sampling? Y ☐ N ☐

Cooler Breakdown/Preservation Check**: Date: 9/29/2020 Time: 1158 by: D

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES ☐ NO ☒ time
10. Did all bottle labels and tags agree with custody papers? YES ☒ NO ☐
11. Were correct containers used for the tests indicated? YES ☒ NO ☐
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES ☐ NO ☐
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated NA NA

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**						

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: 2561-13

Explain all Discrepancies/ Other Comments: _____

HPROD	BULK
HTR	FLDT
SUB	HGFB
<u>ALS</u>	LL3541

Labels secondary reviewed by: SW
PC Secondary Review: _____

*significant air bubbles: VOA > 5-6 mm : WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.

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Analyst Summary report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells/

Service Request: R2008969

Sample Name: VE-6
Lab Code: R2008969-001
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: VE-10
Lab Code: R2008969-002
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: VE-12
Lab Code: R2008969-003
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: VE-15
Lab Code: R2008969-004
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: RW-4
Lab Code: R2008969-005
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

ALS Group USA, Corp.

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Analyst Summary report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells/

Service Request: R2008969

Sample Name: MW-2
Lab Code: R2008969-006
Sample Matrix: Water

Date Collected: 09/28/20
Date Received: 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-10
Lab Code: R2008969-007
Sample Matrix: Water

Date Collected: 09/28/20
Date Received: 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-13S
Lab Code: R2008969-008
Sample Matrix: Water

Date Collected: 09/28/20
Date Received: 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-16
Lab Code: R2008969-009
Sample Matrix: Water

Date Collected: 09/28/20
Date Received: 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-18S
Lab Code: R2008969-010
Sample Matrix: Water

Date Collected: 09/28/20
Date Received: 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

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Analyst Summary report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells/

Service Request: R2008969

Sample Name: MW-19
Lab Code: R2008969-011
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-24S
Lab Code: R2008969-012
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: SW-34
Lab Code: R2008969-014
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: SW-35
Lab Code: R2008969-015
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

Sample Name: MW-13S Dup
Lab Code: R2008969-016
Sample Matrix: Water

Date Collected: 09/28/20**Date Received:** 09/28/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER

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Analyst Summary report

Client: Xerox Corporation USA

Service Request: R2008969

Project: Bldg 801 Area Wells/

Sample Name: Trip Blank

Date Collected: 09/28/20

Lab Code: R2008969-018

Date Received: 09/28/20

Sample Matrix: Water

Analysis Method

Extracted/Digested By

Analyzed By

8260C

FNAEGLER



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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Phone (585) 288-5380 Fax (585) 288-8475

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:15
Date Received: 09/28/20 13:15

Sample Name: VE-6
Lab Code: R2008969-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	1000 U	1000	100	10/08/20 16:59	
Benzene	500 U	500	100	10/08/20 16:59	
Bromodichloromethane	500 U	500	100	10/08/20 16:59	
Bromoform	500 U	500	100	10/08/20 16:59	
Bromomethane	500 U	500	100	10/08/20 16:59	
2-Butanone (MEK)	1000 U	1000	100	10/08/20 16:59	
Carbon Disulfide	1000 U	1000	100	10/08/20 16:59	
Carbon Tetrachloride	500 U	500	100	10/08/20 16:59	
Chlorobenzene	500 U	500	100	10/08/20 16:59	
Chloroethane	500 U	500	100	10/08/20 16:59	
Chloroform	500 U	500	100	10/08/20 16:59	
Chloromethane	500 U	500	100	10/08/20 16:59	
Dibromochloromethane	500 U	500	100	10/08/20 16:59	
1,1-Dichloroethane	540	500	100	10/08/20 16:59	
1,2-Dichloroethane	500 U	500	100	10/08/20 16:59	
1,1-Dichloroethene	500 U	500	100	10/08/20 16:59	
cis-1,2-Dichloroethene	11000	500	100	10/08/20 16:59	
trans-1,2-Dichloroethene	500 U	500	100	10/08/20 16:59	
1,2-Dichloropropane	500 U	500	100	10/08/20 16:59	
cis-1,3-Dichloropropene	500 U	500	100	10/08/20 16:59	
trans-1,3-Dichloropropene	500 U	500	100	10/08/20 16:59	
Ethylbenzene	500 U	500	100	10/08/20 16:59	
2-Hexanone	1000 U	1000	100	10/08/20 16:59	
Methylene Chloride	500 U	500	100	10/08/20 16:59	
4-Methyl-2-pentanone (MIBK)	1000 U	1000	100	10/08/20 16:59	
Styrene	500 U	500	100	10/08/20 16:59	
1,1,2,2-Tetrachloroethane	500 U	500	100	10/08/20 16:59	
Tetrachloroethene	500 U	500	100	10/08/20 16:59	
Toluene	500 U	500	100	10/08/20 16:59	
1,1,1-Trichloroethane	500 U	500	100	10/08/20 16:59	
1,1,2-Trichloroethane	500 U	500	100	10/08/20 16:59	
Trichloroethene	500 U	500	100	10/08/20 16:59	
Vinyl Chloride	2700	500	100	10/08/20 16:59	
o-Xylene	500 U	500	100	10/08/20 16:59	
m,p-Xylenes	500 U	500	100	10/08/20 16:59	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:15
Date Received: 09/28/20 13:15

Sample Name: VE-6
Lab Code: R2008969-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/08/20 16:59	
Toluene-d8	111	87 - 121	10/08/20 16:59	
Dibromofluoromethane	108	89 - 119	10/08/20 16:59	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:55
Date Received: 09/28/20 13:15

Sample Name: VE-10
Lab Code: R2008969-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	200 U	200	20	10/08/20 02:18	
Benzene	100 U	100	20	10/08/20 02:18	
Bromodichloromethane	100 U	100	20	10/08/20 02:18	
Bromoform	100 U	100	20	10/08/20 02:18	
Bromomethane	100 U	100	20	10/08/20 02:18	
2-Butanone (MEK)	200 U	200	20	10/08/20 02:18	
Carbon Disulfide	200 U	200	20	10/08/20 02:18	
Carbon Tetrachloride	100 U	100	20	10/08/20 02:18	
Chlorobenzene	100 U	100	20	10/08/20 02:18	
Chloroethane	1100	100	20	10/08/20 02:18	
Chloroform	100 U	100	20	10/08/20 02:18	
Chloromethane	100 U	100	20	10/08/20 02:18	
Dibromochloromethane	100 U	100	20	10/08/20 02:18	
1,1-Dichloroethane	180	100	20	10/08/20 02:18	
1,2-Dichloroethane	100 U	100	20	10/08/20 02:18	
1,1-Dichloroethene	100 U	100	20	10/08/20 02:18	
cis-1,2-Dichloroethene	130	100	20	10/08/20 02:18	
trans-1,2-Dichloroethene	100 U	100	20	10/08/20 02:18	
1,2-Dichloropropane	100 U	100	20	10/08/20 02:18	
cis-1,3-Dichloropropene	100 U	100	20	10/08/20 02:18	
trans-1,3-Dichloropropene	100 U	100	20	10/08/20 02:18	
Ethylbenzene	100 U	100	20	10/08/20 02:18	
2-Hexanone	200 U	200	20	10/08/20 02:18	
Methylene Chloride	100 U	100	20	10/08/20 02:18	
4-Methyl-2-pentanone (MIBK)	200 U	200	20	10/08/20 02:18	
Styrene	100 U	100	20	10/08/20 02:18	
1,1,2,2-Tetrachloroethane	100 U	100	20	10/08/20 02:18	
Tetrachloroethene	100 U	100	20	10/08/20 02:18	
Toluene	100 U	100	20	10/08/20 02:18	
1,1,1-Trichloroethane	100 U	100	20	10/08/20 02:18	
1,1,2-Trichloroethane	100 U	100	20	10/08/20 02:18	
Trichloroethene	100 U	100	20	10/08/20 02:18	
Vinyl Chloride	3600	100	20	10/08/20 02:18	
o-Xylene	100 U	100	20	10/08/20 02:18	
m,p-Xylenes	100 U	100	20	10/08/20 02:18	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:55
Date Received: 09/28/20 13:15

Sample Name: VE-10
Lab Code: R2008969-002

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	10/08/20 02:18	
Toluene-d8	104	87 - 121	10/08/20 02:18	
Dibromofluoromethane	99	89 - 119	10/08/20 02:18	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 12:05
Date Received: 09/28/20 13:15

Sample Name: VE-12
Lab Code: R2008969-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	500 U	500	50	10/08/20 17:21	
Benzene	250 U	250	50	10/08/20 17:21	
Bromodichloromethane	250 U	250	50	10/08/20 17:21	
Bromoform	250 U	250	50	10/08/20 17:21	
Bromomethane	250 U	250	50	10/08/20 17:21	
2-Butanone (MEK)	570	500	50	10/08/20 17:21	
Carbon Disulfide	500 U	500	50	10/08/20 17:21	
Carbon Tetrachloride	250 U	250	50	10/08/20 17:21	
Chlorobenzene	250 U	250	50	10/08/20 17:21	
Chloroethane	8600	250	50	10/08/20 17:21	
Chloroform	250 U	250	50	10/08/20 17:21	
Chloromethane	250 U	250	50	10/08/20 17:21	
Dibromochloromethane	250 U	250	50	10/08/20 17:21	
1,1-Dichloroethane	850	250	50	10/08/20 17:21	
1,2-Dichloroethane	250 U	250	50	10/08/20 17:21	
1,1-Dichloroethene	250 U	250	50	10/08/20 17:21	
cis-1,2-Dichloroethene	500	250	50	10/08/20 17:21	
trans-1,2-Dichloroethene	250 U	250	50	10/08/20 17:21	
1,2-Dichloropropane	250 U	250	50	10/08/20 17:21	
cis-1,3-Dichloropropene	250 U	250	50	10/08/20 17:21	
trans-1,3-Dichloropropene	250 U	250	50	10/08/20 17:21	
Ethylbenzene	250 U	250	50	10/08/20 17:21	
2-Hexanone	500 U	500	50	10/08/20 17:21	
Methylene Chloride	250 U	250	50	10/08/20 17:21	
4-Methyl-2-pentanone (MIBK)	500 U	500	50	10/08/20 17:21	
Styrene	250 U	250	50	10/08/20 17:21	
1,1,2,2-Tetrachloroethane	250 U	250	50	10/08/20 17:21	
Tetrachloroethene	250 U	250	50	10/08/20 17:21	
Toluene	660	250	50	10/08/20 17:21	
1,1,1-Trichloroethane	250 U	250	50	10/08/20 17:21	
1,1,2-Trichloroethane	250 U	250	50	10/08/20 17:21	
Trichloroethene	250 U	250	50	10/08/20 17:21	
Vinyl Chloride	3200	250	50	10/08/20 17:21	
o-Xylene	250 U	250	50	10/08/20 17:21	
m,p-Xylenes	250 U	250	50	10/08/20 17:21	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 12:05
Date Received: 09/28/20 13:15

Sample Name: VE-12
Lab Code: R2008969-003

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	107	85 - 122	10/08/20 17:21	
Toluene-d8	112	87 - 121	10/08/20 17:21	
Dibromofluoromethane	107	89 - 119	10/08/20 17:21	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:35
Date Received: 09/28/20 13:15

Sample Name: VE-15
Lab Code: R2008969-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	25 U	25	2.5	10/08/20 03:03	
Benzene	13 U	13	2.5	10/08/20 03:03	
Bromodichloromethane	13 U	13	2.5	10/08/20 03:03	
Bromoform	13 U	13	2.5	10/08/20 03:03	
Bromomethane	13 U	13	2.5	10/08/20 03:03	
2-Butanone (MEK)	25 U	25	2.5	10/08/20 03:03	
Carbon Disulfide	25 U	25	2.5	10/08/20 03:03	
Carbon Tetrachloride	13 U	13	2.5	10/08/20 03:03	
Chlorobenzene	13 U	13	2.5	10/08/20 03:03	
Chloroethane	370	13	2.5	10/08/20 03:03	
Chloroform	13 U	13	2.5	10/08/20 03:03	
Chloromethane	13 U	13	2.5	10/08/20 03:03	
Dibromochloromethane	13 U	13	2.5	10/08/20 03:03	
1,1-Dichloroethane	150	13	2.5	10/08/20 03:03	
1,2-Dichloroethane	13 U	13	2.5	10/08/20 03:03	
1,1-Dichloroethene	13 U	13	2.5	10/08/20 03:03	
cis-1,2-Dichloroethene	13 U	13	2.5	10/08/20 03:03	
trans-1,2-Dichloroethene	17	13	2.5	10/08/20 03:03	
1,2-Dichloropropane	13 U	13	2.5	10/08/20 03:03	
cis-1,3-Dichloropropene	13 U	13	2.5	10/08/20 03:03	
trans-1,3-Dichloropropene	13 U	13	2.5	10/08/20 03:03	
Ethylbenzene	13 U	13	2.5	10/08/20 03:03	
2-Hexanone	25 U	25	2.5	10/08/20 03:03	
Methylene Chloride	13 U	13	2.5	10/08/20 03:03	
4-Methyl-2-pentanone (MIBK)	25 U	25	2.5	10/08/20 03:03	
Styrene	13 U	13	2.5	10/08/20 03:03	
1,1,2,2-Tetrachloroethane	13 U	13	2.5	10/08/20 03:03	
Tetrachloroethene	13 U	13	2.5	10/08/20 03:03	
Toluene	13 U	13	2.5	10/08/20 03:03	
1,1,1-Trichloroethane	13 U	13	2.5	10/08/20 03:03	
1,1,2-Trichloroethane	13 U	13	2.5	10/08/20 03:03	
Trichloroethene	13 U	13	2.5	10/08/20 03:03	
Vinyl Chloride	13 U	13	2.5	10/08/20 03:03	
o-Xylene	13 U	13	2.5	10/08/20 03:03	
m,p-Xylenes	13 U	13	2.5	10/08/20 03:03	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:35
Date Received: 09/28/20 13:15

Sample Name: VE-15
Lab Code: R2008969-004

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	10/08/20 03:03	
Toluene-d8	103	87 - 121	10/08/20 03:03	
Dibromofluoromethane	98	89 - 119	10/08/20 03:03	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:45
Date Received: 09/28/20 13:15

Sample Name: RW-4
Lab Code: R2008969-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 03:25	
Benzene	5.0 U	5.0	1	10/08/20 03:25	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 03:25	
Bromoform	5.0 U	5.0	1	10/08/20 03:25	
Bromomethane	5.0 U	5.0	1	10/08/20 03:25	
2-Butanone (MEK)	10 U	10	1	10/08/20 03:25	
Carbon Disulfide	10 U	10	1	10/08/20 03:25	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 03:25	
Chlorobenzene	5.0 U	5.0	1	10/08/20 03:25	
Chloroethane	5.0 U	5.0	1	10/08/20 03:25	
Chloroform	5.0 U	5.0	1	10/08/20 03:25	
Chloromethane	5.0 U	5.0	1	10/08/20 03:25	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 03:25	
1,1-Dichloroethane	19	5.0	1	10/08/20 03:25	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 03:25	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 03:25	
cis-1,2-Dichloroethene	16	5.0	1	10/08/20 03:25	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 03:25	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 03:25	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 03:25	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 03:25	
Ethylbenzene	5.0 U	5.0	1	10/08/20 03:25	
2-Hexanone	10 U	10	1	10/08/20 03:25	
Methylene Chloride	5.0 U	5.0	1	10/08/20 03:25	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 03:25	
Styrene	5.0 U	5.0	1	10/08/20 03:25	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 03:25	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 03:25	
Toluene	5.0 U	5.0	1	10/08/20 03:25	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 03:25	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 03:25	
Trichloroethene	7.3	5.0	1	10/08/20 03:25	
Vinyl Chloride	9.0	5.0	1	10/08/20 03:25	
o-Xylene	5.0 U	5.0	1	10/08/20 03:25	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 03:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:45
Date Received: 09/28/20 13:15

Sample Name: RW-4
Lab Code: R2008969-005

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/08/20 03:25	
Toluene-d8	102	87 - 121	10/08/20 03:25	
Dibromofluoromethane	99	89 - 119	10/08/20 03:25	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 10:45
Date Received: 09/28/20 13:15

Sample Name: MW-2
Lab Code: R2008969-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 03:47	
Benzene	5.0 U	5.0	1	10/08/20 03:47	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 03:47	
Bromoform	5.0 U	5.0	1	10/08/20 03:47	
Bromomethane	5.0 U	5.0	1	10/08/20 03:47	
2-Butanone (MEK)	10 U	10	1	10/08/20 03:47	
Carbon Disulfide	10 U	10	1	10/08/20 03:47	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 03:47	
Chlorobenzene	5.0 U	5.0	1	10/08/20 03:47	
Chloroethane	5.0 U	5.0	1	10/08/20 03:47	
Chloroform	5.0 U	5.0	1	10/08/20 03:47	
Chloromethane	5.0 U	5.0	1	10/08/20 03:47	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 03:47	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 03:47	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 03:47	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 03:47	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 03:47	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 03:47	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 03:47	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 03:47	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 03:47	
Ethylbenzene	5.0 U	5.0	1	10/08/20 03:47	
2-Hexanone	10 U	10	1	10/08/20 03:47	
Methylene Chloride	5.0 U	5.0	1	10/08/20 03:47	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 03:47	
Styrene	5.0 U	5.0	1	10/08/20 03:47	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 03:47	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 03:47	
Toluene	5.0 U	5.0	1	10/08/20 03:47	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 03:47	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 03:47	
Trichloroethene	5.0 U	5.0	1	10/08/20 03:47	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 03:47	
o-Xylene	5.0 U	5.0	1	10/08/20 03:47	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 03:47	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 10:45
Date Received: 09/28/20 13:15

Sample Name: MW-2
Lab Code: R2008969-006

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	101	85 - 122	10/08/20 03:47	
Toluene-d8	103	87 - 121	10/08/20 03:47	
Dibromofluoromethane	97	89 - 119	10/08/20 03:47	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:00
Date Received: 09/28/20 13:15

Sample Name: MW-10
Lab Code: R2008969-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	50 U	50	5	10/08/20 04:10	
Benzene	25 U	25	5	10/08/20 04:10	
Bromodichloromethane	25 U	25	5	10/08/20 04:10	
Bromoform	25 U	25	5	10/08/20 04:10	
Bromomethane	25 U	25	5	10/08/20 04:10	
2-Butanone (MEK)	50 U	50	5	10/08/20 04:10	
Carbon Disulfide	50 U	50	5	10/08/20 04:10	
Carbon Tetrachloride	25 U	25	5	10/08/20 04:10	
Chlorobenzene	25 U	25	5	10/08/20 04:10	
Chloroethane	25 U	25	5	10/08/20 04:10	
Chloroform	25 U	25	5	10/08/20 04:10	
Chloromethane	25 U	25	5	10/08/20 04:10	
Dibromochloromethane	25 U	25	5	10/08/20 04:10	
1,1-Dichloroethane	130	25	5	10/08/20 04:10	
1,2-Dichloroethane	25 U	25	5	10/08/20 04:10	
1,1-Dichloroethene	25 U	25	5	10/08/20 04:10	
cis-1,2-Dichloroethene	740	25	5	10/08/20 04:10	
trans-1,2-Dichloroethene	25 U	25	5	10/08/20 04:10	
1,2-Dichloropropane	25 U	25	5	10/08/20 04:10	
cis-1,3-Dichloropropene	25 U	25	5	10/08/20 04:10	
trans-1,3-Dichloropropene	25 U	25	5	10/08/20 04:10	
Ethylbenzene	25 U	25	5	10/08/20 04:10	
2-Hexanone	50 U	50	5	10/08/20 04:10	
Methylene Chloride	25 U	25	5	10/08/20 04:10	
4-Methyl-2-pentanone (MIBK)	50 U	50	5	10/08/20 04:10	
Styrene	25 U	25	5	10/08/20 04:10	
1,1,2,2-Tetrachloroethane	25 U	25	5	10/08/20 04:10	
Tetrachloroethene	25 U	25	5	10/08/20 04:10	
Toluene	25 U	25	5	10/08/20 04:10	
1,1,1-Trichloroethane	37	25	5	10/08/20 04:10	
1,1,2-Trichloroethane	25 U	25	5	10/08/20 04:10	
Trichloroethene	81	25	5	10/08/20 04:10	
Vinyl Chloride	220	25	5	10/08/20 04:10	
o-Xylene	25 U	25	5	10/08/20 04:10	
m,p-Xylenes	25 U	25	5	10/08/20 04:10	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 11:00
Date Received: 09/28/20 13:15

Sample Name: MW-10
Lab Code: R2008969-007

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	10/08/20 04:10	
Toluene-d8	104	87 - 121	10/08/20 04:10	
Dibromofluoromethane	100	89 - 119	10/08/20 04:10	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 09:00
Date Received: 09/28/20 13:15

Sample Name: MW-13S
Lab Code: R2008969-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 04:32	
Benzene	5.0 U	5.0	1	10/08/20 04:32	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 04:32	
Bromoform	5.0 U	5.0	1	10/08/20 04:32	
Bromomethane	5.0 U	5.0	1	10/08/20 04:32	
2-Butanone (MEK)	10 U	10	1	10/08/20 04:32	
Carbon Disulfide	10 U	10	1	10/08/20 04:32	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 04:32	
Chlorobenzene	5.0 U	5.0	1	10/08/20 04:32	
Chloroethane	5.0 U	5.0	1	10/08/20 04:32	
Chloroform	5.0 U	5.0	1	10/08/20 04:32	
Chloromethane	5.0 U	5.0	1	10/08/20 04:32	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 04:32	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 04:32	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 04:32	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 04:32	
cis-1,2-Dichloroethene	6.4	5.0	1	10/08/20 04:32	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 04:32	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 04:32	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 04:32	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 04:32	
Ethylbenzene	5.0 U	5.0	1	10/08/20 04:32	
2-Hexanone	10 U	10	1	10/08/20 04:32	
Methylene Chloride	5.0 U	5.0	1	10/08/20 04:32	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 04:32	
Styrene	5.0 U	5.0	1	10/08/20 04:32	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 04:32	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 04:32	
Toluene	5.0 U	5.0	1	10/08/20 04:32	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 04:32	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 04:32	
Trichloroethene	5.0 U	5.0	1	10/08/20 04:32	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 04:32	
o-Xylene	5.0 U	5.0	1	10/08/20 04:32	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 04:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 09:00
Date Received: 09/28/20 13:15

Sample Name: MW-13S
Lab Code: R2008969-008

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	10/08/20 04:32	
Toluene-d8	104	87 - 121	10/08/20 04:32	
Dibromofluoromethane	98	89 - 119	10/08/20 04:32	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 10:10
Date Received: 09/28/20 13:15

Sample Name: MW-16
Lab Code: R2008969-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 04:54	
Benzene	5.0 U	5.0	1	10/08/20 04:54	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 04:54	
Bromoform	5.0 U	5.0	1	10/08/20 04:54	
Bromomethane	5.0 U	5.0	1	10/08/20 04:54	
2-Butanone (MEK)	10 U	10	1	10/08/20 04:54	
Carbon Disulfide	10 U	10	1	10/08/20 04:54	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 04:54	
Chlorobenzene	5.0 U	5.0	1	10/08/20 04:54	
Chloroethane	5.0 U	5.0	1	10/08/20 04:54	
Chloroform	5.0 U	5.0	1	10/08/20 04:54	
Chloromethane	5.0 U	5.0	1	10/08/20 04:54	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 04:54	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 04:54	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 04:54	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 04:54	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 04:54	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 04:54	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 04:54	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 04:54	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 04:54	
Ethylbenzene	5.0 U	5.0	1	10/08/20 04:54	
2-Hexanone	10 U	10	1	10/08/20 04:54	
Methylene Chloride	5.0 U	5.0	1	10/08/20 04:54	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 04:54	
Styrene	5.0 U	5.0	1	10/08/20 04:54	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 04:54	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 04:54	
Toluene	5.0 U	5.0	1	10/08/20 04:54	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 04:54	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 04:54	
Trichloroethene	5.0 U	5.0	1	10/08/20 04:54	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 04:54	
o-Xylene	5.0 U	5.0	1	10/08/20 04:54	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 04:54	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 10:10
Date Received: 09/28/20 13:15

Sample Name: MW-16
Lab Code: R2008969-009

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	96	85 - 122	10/08/20 04:54	
Toluene-d8	102	87 - 121	10/08/20 04:54	
Dibromofluoromethane	97	89 - 119	10/08/20 04:54	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 08:35
Date Received: 09/28/20 13:15

Sample Name: MW-18S
Lab Code: R2008969-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 05:17	
Benzene	5.0 U	5.0	1	10/08/20 05:17	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 05:17	
Bromoform	5.0 U	5.0	1	10/08/20 05:17	
Bromomethane	5.0 U	5.0	1	10/08/20 05:17	
2-Butanone (MEK)	10 U	10	1	10/08/20 05:17	
Carbon Disulfide	10 U	10	1	10/08/20 05:17	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 05:17	
Chlorobenzene	5.0 U	5.0	1	10/08/20 05:17	
Chloroethane	5.0 U	5.0	1	10/08/20 05:17	
Chloroform	5.0 U	5.0	1	10/08/20 05:17	
Chloromethane	5.0 U	5.0	1	10/08/20 05:17	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 05:17	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 05:17	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 05:17	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 05:17	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 05:17	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 05:17	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 05:17	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 05:17	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 05:17	
Ethylbenzene	5.0 U	5.0	1	10/08/20 05:17	
2-Hexanone	10 U	10	1	10/08/20 05:17	
Methylene Chloride	5.0 U	5.0	1	10/08/20 05:17	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 05:17	
Styrene	5.0 U	5.0	1	10/08/20 05:17	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 05:17	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 05:17	
Toluene	5.0 U	5.0	1	10/08/20 05:17	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 05:17	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 05:17	
Trichloroethene	5.0 U	5.0	1	10/08/20 05:17	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 05:17	
o-Xylene	5.0 U	5.0	1	10/08/20 05:17	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 05:17	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 08:35
Date Received: 09/28/20 13:15

Sample Name: MW-18S
Lab Code: R2008969-010

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	98	85 - 122	10/08/20 05:17	
Toluene-d8	105	87 - 121	10/08/20 05:17	
Dibromofluoromethane	98	89 - 119	10/08/20 05:17	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 09:50
Date Received: 09/28/20 13:15

Sample Name: MW-19
Lab Code: R2008969-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	25 U	25	2.5	10/08/20 17:43	
Benzene	13 U	13	2.5	10/08/20 17:43	
Bromodichloromethane	13 U	13	2.5	10/08/20 17:43	
Bromoform	13 U	13	2.5	10/08/20 17:43	
Bromomethane	13 U	13	2.5	10/08/20 17:43	
2-Butanone (MEK)	25 U	25	2.5	10/08/20 17:43	
Carbon Disulfide	25 U	25	2.5	10/08/20 17:43	
Carbon Tetrachloride	13 U	13	2.5	10/08/20 17:43	
Chlorobenzene	13 U	13	2.5	10/08/20 17:43	
Chloroethane	13 U	13	2.5	10/08/20 17:43	
Chloroform	13 U	13	2.5	10/08/20 17:43	
Chloromethane	13 U	13	2.5	10/08/20 17:43	
Dibromochloromethane	13 U	13	2.5	10/08/20 17:43	
1,1-Dichloroethane	65	13	2.5	10/08/20 17:43	
1,2-Dichloroethane	13 U	13	2.5	10/08/20 17:43	
1,1-Dichloroethene	20	13	2.5	10/08/20 17:43	
cis-1,2-Dichloroethene	410	13	2.5	10/08/20 17:43	
trans-1,2-Dichloroethene	13 U	13	2.5	10/08/20 17:43	
1,2-Dichloropropane	13 U	13	2.5	10/08/20 17:43	
cis-1,3-Dichloropropene	13 U	13	2.5	10/08/20 17:43	
trans-1,3-Dichloropropene	13 U	13	2.5	10/08/20 17:43	
Ethylbenzene	13 U	13	2.5	10/08/20 17:43	
2-Hexanone	25 U	25	2.5	10/08/20 17:43	
Methylene Chloride	13 U	13	2.5	10/08/20 17:43	
4-Methyl-2-pentanone (MIBK)	25 U	25	2.5	10/08/20 17:43	
Styrene	13 U	13	2.5	10/08/20 17:43	
1,1,2,2-Tetrachloroethane	13 U	13	2.5	10/08/20 17:43	
Tetrachloroethene	13 U	13	2.5	10/08/20 17:43	
Toluene	13 U	13	2.5	10/08/20 17:43	
1,1,1-Trichloroethane	19	13	2.5	10/08/20 17:43	
1,1,2-Trichloroethane	13 U	13	2.5	10/08/20 17:43	
Trichloroethene	220	13	2.5	10/08/20 17:43	
Vinyl Chloride	27	13	2.5	10/08/20 17:43	
o-Xylene	13 U	13	2.5	10/08/20 17:43	
m,p-Xylenes	13 U	13	2.5	10/08/20 17:43	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 09:50
Date Received: 09/28/20 13:15

Sample Name: MW-19
Lab Code: R2008969-011

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/08/20 17:43	
Toluene-d8	110	87 - 121	10/08/20 17:43	
Dibromofluoromethane	109	89 - 119	10/08/20 17:43	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 12:20
Date Received: 09/28/20 13:15

Sample Name: MW-24S
Lab Code: R2008969-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 06:01	
Benzene	5.0 U	5.0	1	10/08/20 06:01	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 06:01	
Bromoform	5.0 U	5.0	1	10/08/20 06:01	
Bromomethane	5.0 U	5.0	1	10/08/20 06:01	
2-Butanone (MEK)	10 U	10	1	10/08/20 06:01	
Carbon Disulfide	10 U	10	1	10/08/20 06:01	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 06:01	
Chlorobenzene	5.0 U	5.0	1	10/08/20 06:01	
Chloroethane	5.0 U	5.0	1	10/08/20 06:01	
Chloroform	5.0 U	5.0	1	10/08/20 06:01	
Chloromethane	5.0 U	5.0	1	10/08/20 06:01	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 06:01	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 06:01	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 06:01	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 06:01	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 06:01	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 06:01	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 06:01	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 06:01	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 06:01	
Ethylbenzene	5.0 U	5.0	1	10/08/20 06:01	
2-Hexanone	10 U	10	1	10/08/20 06:01	
Methylene Chloride	5.0 U	5.0	1	10/08/20 06:01	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 06:01	
Styrene	5.0 U	5.0	1	10/08/20 06:01	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 06:01	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 06:01	
Toluene	5.0 U	5.0	1	10/08/20 06:01	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 06:01	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 06:01	
Trichloroethene	5.0 U	5.0	1	10/08/20 06:01	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 06:01	
o-Xylene	5.0 U	5.0	1	10/08/20 06:01	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 06:01	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 12:20
Date Received: 09/28/20 13:15

Sample Name: MW-24S
Lab Code: R2008969-012

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/08/20 06:01	
Toluene-d8	103	87 - 121	10/08/20 06:01	
Dibromofluoromethane	98	89 - 119	10/08/20 06:01	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 10:25
Date Received: 09/28/20 13:15

Sample Name: SW-34
Lab Code: R2008969-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 06:23	
Benzene	5.0 U	5.0	1	10/08/20 06:23	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 06:23	
Bromoform	5.0 U	5.0	1	10/08/20 06:23	
Bromomethane	5.0 U	5.0	1	10/08/20 06:23	
2-Butanone (MEK)	10 U	10	1	10/08/20 06:23	
Carbon Disulfide	10 U	10	1	10/08/20 06:23	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 06:23	
Chlorobenzene	5.0 U	5.0	1	10/08/20 06:23	
Chloroethane	5.0 U	5.0	1	10/08/20 06:23	
Chloroform	5.0 U	5.0	1	10/08/20 06:23	
Chloromethane	5.0 U	5.0	1	10/08/20 06:23	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 06:23	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 06:23	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 06:23	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 06:23	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 06:23	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 06:23	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 06:23	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 06:23	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 06:23	
Ethylbenzene	5.0 U	5.0	1	10/08/20 06:23	
2-Hexanone	10 U	10	1	10/08/20 06:23	
Methylene Chloride	5.0 U	5.0	1	10/08/20 06:23	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 06:23	
Styrene	5.0 U	5.0	1	10/08/20 06:23	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 06:23	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 06:23	
Toluene	5.0 U	5.0	1	10/08/20 06:23	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 06:23	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 06:23	
Trichloroethene	5.0 U	5.0	1	10/08/20 06:23	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 06:23	
o-Xylene	5.0 U	5.0	1	10/08/20 06:23	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 06:23	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 10:25
Date Received: 09/28/20 13:15

Sample Name: SW-34
Lab Code: R2008969-014

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	10/08/20 06:23	
Toluene-d8	103	87 - 121	10/08/20 06:23	
Dibromofluoromethane	98	89 - 119	10/08/20 06:23	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 12:40
Date Received: 09/28/20 13:15

Sample Name: SW-35
Lab Code: R2008969-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 06:46	
Benzene	5.0 U	5.0	1	10/08/20 06:46	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 06:46	
Bromoform	5.0 U	5.0	1	10/08/20 06:46	
Bromomethane	5.0 U	5.0	1	10/08/20 06:46	
2-Butanone (MEK)	10 U	10	1	10/08/20 06:46	
Carbon Disulfide	10 U	10	1	10/08/20 06:46	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 06:46	
Chlorobenzene	5.0 U	5.0	1	10/08/20 06:46	
Chloroethane	5.0 U	5.0	1	10/08/20 06:46	
Chloroform	5.0 U	5.0	1	10/08/20 06:46	
Chloromethane	5.0 U	5.0	1	10/08/20 06:46	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 06:46	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 06:46	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 06:46	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 06:46	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 06:46	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 06:46	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 06:46	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 06:46	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 06:46	
Ethylbenzene	5.0 U	5.0	1	10/08/20 06:46	
2-Hexanone	10 U	10	1	10/08/20 06:46	
Methylene Chloride	5.0 U	5.0	1	10/08/20 06:46	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 06:46	
Styrene	5.0 U	5.0	1	10/08/20 06:46	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 06:46	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 06:46	
Toluene	5.0 U	5.0	1	10/08/20 06:46	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 06:46	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 06:46	
Trichloroethene	5.0 U	5.0	1	10/08/20 06:46	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 06:46	
o-Xylene	5.0 U	5.0	1	10/08/20 06:46	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 06:46	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 12:40
Date Received: 09/28/20 13:15

Sample Name: SW-35
Lab Code: R2008969-015

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	10/08/20 06:46	
Toluene-d8	103	87 - 121	10/08/20 06:46	
Dibromofluoromethane	96	89 - 119	10/08/20 06:46	

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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 09:00
Date Received: 09/28/20 13:15

Sample Name: MW-13S Dup
Lab Code: R2008969-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 07:08	
Benzene	5.0 U	5.0	1	10/08/20 07:08	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 07:08	
Bromoform	5.0 U	5.0	1	10/08/20 07:08	
Bromomethane	5.0 U	5.0	1	10/08/20 07:08	
2-Butanone (MEK)	10 U	10	1	10/08/20 07:08	
Carbon Disulfide	10 U	10	1	10/08/20 07:08	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 07:08	
Chlorobenzene	5.0 U	5.0	1	10/08/20 07:08	
Chloroethane	5.0 U	5.0	1	10/08/20 07:08	
Chloroform	5.0 U	5.0	1	10/08/20 07:08	
Chloromethane	5.0 U	5.0	1	10/08/20 07:08	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 07:08	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 07:08	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 07:08	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 07:08	
cis-1,2-Dichloroethene	5.9	5.0	1	10/08/20 07:08	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 07:08	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 07:08	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 07:08	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 07:08	
Ethylbenzene	5.0 U	5.0	1	10/08/20 07:08	
2-Hexanone	10 U	10	1	10/08/20 07:08	
Methylene Chloride	5.0 U	5.0	1	10/08/20 07:08	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 07:08	
Styrene	5.0 U	5.0	1	10/08/20 07:08	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 07:08	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 07:08	
Toluene	5.0 U	5.0	1	10/08/20 07:08	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 07:08	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 07:08	
Trichloroethene	5.0 U	5.0	1	10/08/20 07:08	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 07:08	
o-Xylene	5.0 U	5.0	1	10/08/20 07:08	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 07:08	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 09:00
Date Received: 09/28/20 13:15

Sample Name: MW-13S Dup
Lab Code: R2008969-016

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	10/08/20 07:08	
Toluene-d8	102	87 - 121	10/08/20 07:08	
Dibromofluoromethane	98	89 - 119	10/08/20 07:08	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 08:35
Date Received: 09/28/20 13:15

Sample Name: Trip Blank
Lab Code: R2008969-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 01:34	
Benzene	5.0 U	5.0	1	10/08/20 01:34	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 01:34	
Bromoform	5.0 U	5.0	1	10/08/20 01:34	
Bromomethane	5.0 U	5.0	1	10/08/20 01:34	
2-Butanone (MEK)	10 U	10	1	10/08/20 01:34	
Carbon Disulfide	10 U	10	1	10/08/20 01:34	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 01:34	
Chlorobenzene	5.0 U	5.0	1	10/08/20 01:34	
Chloroethane	5.0 U	5.0	1	10/08/20 01:34	
Chloroform	5.0 U	5.0	1	10/08/20 01:34	
Chloromethane	5.0 U	5.0	1	10/08/20 01:34	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 01:34	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 01:34	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 01:34	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 01:34	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 01:34	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 01:34	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 01:34	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 01:34	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 01:34	
Ethylbenzene	5.0 U	5.0	1	10/08/20 01:34	
2-Hexanone	10 U	10	1	10/08/20 01:34	
Methylene Chloride	5.0 U	5.0	1	10/08/20 01:34	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 01:34	
Styrene	5.0 U	5.0	1	10/08/20 01:34	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 01:34	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 01:34	
Toluene	5.0 U	5.0	1	10/08/20 01:34	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 01:34	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 01:34	
Trichloroethene	5.0 U	5.0	1	10/08/20 01:34	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 01:34	
o-Xylene	5.0 U	5.0	1	10/08/20 01:34	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 01:34	

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: 09/28/20 08:35
Date Received: 09/28/20 13:15

Sample Name: Trip Blank
Lab Code: R2008969-018

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	97	85 - 122	10/08/20 01:34	
Toluene-d8	103	87 - 121	10/08/20 01:34	
Dibromofluoromethane	98	89 - 119	10/08/20 01:34	



QC Summary Forms

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

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Volatile Organic Compounds by GC/MS

ALS Environmental—Rochester Laboratory

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ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Toluene-d8	Dibromofluoromethane
		85-122	87-121	89-119
VE-6	R2008969-001	100	111	108
VE-10	R2008969-002	98	104	99
VE-12	R2008969-003	107	112	107
VE-15	R2008969-004	98	103	98
RW-4	R2008969-005	99	102	99
MW-2	R2008969-006	101	103	97
MW-10	R2008969-007	98	104	100
MW-13S	R2008969-008	98	104	98
MW-16	R2008969-009	96	102	97
MW-18S	R2008969-010	98	105	98
MW-19	R2008969-011	99	110	109
MW-24S	R2008969-012	99	103	98
SW-34	R2008969-014	97	103	98
SW-35	R2008969-015	97	103	96
MW-13S Dup	R2008969-016	97	102	98
Trip Blank	R2008969-018	97	103	98
Method Blank	RQ2012022-04	99	103	97
Method Blank	RQ2012054-04	100	112	106
Lab Control Sample	RQ2012022-03	97	103	103
Lab Control Sample	RQ2012054-03	104	111	108

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2012022-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 00:05	
Benzene	5.0 U	5.0	1	10/08/20 00:05	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 00:05	
Bromoform	5.0 U	5.0	1	10/08/20 00:05	
Bromomethane	5.0 U	5.0	1	10/08/20 00:05	
2-Butanone (MEK)	10 U	10	1	10/08/20 00:05	
Carbon Disulfide	10 U	10	1	10/08/20 00:05	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 00:05	
Chlorobenzene	5.0 U	5.0	1	10/08/20 00:05	
Chloroethane	5.0 U	5.0	1	10/08/20 00:05	
Chloroform	5.0 U	5.0	1	10/08/20 00:05	
Chloromethane	5.0 U	5.0	1	10/08/20 00:05	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 00:05	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 00:05	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 00:05	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 00:05	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 00:05	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 00:05	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 00:05	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 00:05	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 00:05	
Ethylbenzene	5.0 U	5.0	1	10/08/20 00:05	
2-Hexanone	10 U	10	1	10/08/20 00:05	
Methylene Chloride	5.0 U	5.0	1	10/08/20 00:05	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 00:05	
Styrene	5.0 U	5.0	1	10/08/20 00:05	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 00:05	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 00:05	
Toluene	5.0 U	5.0	1	10/08/20 00:05	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 00:05	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 00:05	
Trichloroethene	5.0 U	5.0	1	10/08/20 00:05	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 00:05	
o-Xylene	5.0 U	5.0	1	10/08/20 00:05	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 00:05	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2012022-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	99	85 - 122	10/08/20 00:05	
Toluene-d8	103	87 - 121	10/08/20 00:05	
Dibromofluoromethane	97	89 - 119	10/08/20 00:05	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2012054-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Acetone	10 U	10	1	10/08/20 11:00	
Benzene	5.0 U	5.0	1	10/08/20 11:00	
Bromodichloromethane	5.0 U	5.0	1	10/08/20 11:00	
Bromoform	5.0 U	5.0	1	10/08/20 11:00	
Bromomethane	5.0 U	5.0	1	10/08/20 11:00	
2-Butanone (MEK)	10 U	10	1	10/08/20 11:00	
Carbon Disulfide	10 U	10	1	10/08/20 11:00	
Carbon Tetrachloride	5.0 U	5.0	1	10/08/20 11:00	
Chlorobenzene	5.0 U	5.0	1	10/08/20 11:00	
Chloroethane	5.0 U	5.0	1	10/08/20 11:00	
Chloroform	5.0 U	5.0	1	10/08/20 11:00	
Chloromethane	5.0 U	5.0	1	10/08/20 11:00	
Dibromochloromethane	5.0 U	5.0	1	10/08/20 11:00	
1,1-Dichloroethane	5.0 U	5.0	1	10/08/20 11:00	
1,2-Dichloroethane	5.0 U	5.0	1	10/08/20 11:00	
1,1-Dichloroethene	5.0 U	5.0	1	10/08/20 11:00	
cis-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 11:00	
trans-1,2-Dichloroethene	5.0 U	5.0	1	10/08/20 11:00	
1,2-Dichloropropane	5.0 U	5.0	1	10/08/20 11:00	
cis-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 11:00	
trans-1,3-Dichloropropene	5.0 U	5.0	1	10/08/20 11:00	
Ethylbenzene	5.0 U	5.0	1	10/08/20 11:00	
2-Hexanone	10 U	10	1	10/08/20 11:00	
Methylene Chloride	5.0 U	5.0	1	10/08/20 11:00	
4-Methyl-2-pentanone (MIBK)	10 U	10	1	10/08/20 11:00	
Styrene	5.0 U	5.0	1	10/08/20 11:00	
1,1,2,2-Tetrachloroethane	5.0 U	5.0	1	10/08/20 11:00	
Tetrachloroethene	5.0 U	5.0	1	10/08/20 11:00	
Toluene	5.0 U	5.0	1	10/08/20 11:00	
1,1,1-Trichloroethane	5.0 U	5.0	1	10/08/20 11:00	
1,1,2-Trichloroethane	5.0 U	5.0	1	10/08/20 11:00	
Trichloroethene	5.0 U	5.0	1	10/08/20 11:00	
Vinyl Chloride	5.0 U	5.0	1	10/08/20 11:00	
o-Xylene	5.0 U	5.0	1	10/08/20 11:00	
m,p-Xylenes	5.0 U	5.0	1	10/08/20 11:00	

ALS Group USA, Corp.
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Analytical Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2012054-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	100	85 - 122	10/08/20 11:00	
Toluene-d8	112	87 - 121	10/08/20 11:00	
Dibromofluoromethane	106	89 - 119	10/08/20 11:00	

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Analyzed: 10/08/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2012022-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	8260C	21.2	20.0	106	40-161
Benzene	8260C	21.1	20.0	106	79-119
Bromodichloromethane	8260C	19.5	20.0	97	81-123
Bromoform	8260C	17.7	20.0	89	65-146
Bromomethane	8260C	22.2	20.0	111	42-166
2-Butanone (MEK)	8260C	23.5	20.0	117	61-137
Carbon Disulfide	8260C	19.8	20.0	99	66-128
Carbon Tetrachloride	8260C	19.2	20.0	96	70-127
Chlorobenzene	8260C	20.3	20.0	101	80-121
Chloroethane	8260C	23.2	20.0	116	62-131
Chloroform	8260C	21.8	20.0	109	79-120
Chloromethane	8260C	25.9	20.0	129	65-135
Dibromochloromethane	8260C	21.0	20.0	105	72-128
1,1-Dichloroethane	8260C	22.1	20.0	111	80-124
1,2-Dichloroethane	8260C	21.2	20.0	106	71-127
1,1-Dichloroethene	8260C	24.8	20.0	124 *	71-118
cis-1,2-Dichloroethene	8260C	22.1	20.0	111	80-121
trans-1,2-Dichloroethene	8260C	23.7	20.0	118	73-118
1,2-Dichloropropane	8260C	21.6	20.0	108	80-119
cis-1,3-Dichloropropene	8260C	21.1	20.0	105	77-122
trans-1,3-Dichloropropene	8260C	21.4	20.0	107	71-133
Ethylbenzene	8260C	20.3	20.0	101	76-120
2-Hexanone	8260C	24.8	20.0	124	63-124
Methylene Chloride	8260C	20.8	20.0	104	73-122
4-Methyl-2-pentanone (MIBK)	8260C	24.1	20.0	120	66-124
Styrene	8260C	20.8	20.0	104	80-124
1,1,2,2-Tetrachloroethane	8260C	21.4	20.0	107	78-126
Tetrachloroethene	8260C	19.0	20.0	95	72-125
Toluene	8260C	20.6	20.0	103	79-119
1,1,1-Trichloroethane	8260C	20.8	20.0	104	75-125
1,1,2-Trichloroethane	8260C	21.5	20.0	108	82-121
Trichloroethene	8260C	19.9	20.0	99	74-122
Vinyl Chloride	8260C	21.9	20.0	109	74-159

ALS Group USA, Corp.

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QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Analyzed: 10/08/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ2012022-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	21.0	20.0	105	79-123
m,p-Xylenes	8260C	41.3	40.0	103	80-126

ALS Group USA, Corp.
dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Analyzed: 10/08/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2012054-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Acetone	8260C	20.6	20.0	103	40-161
Benzene	8260C	19.8	20.0	99	79-119
Bromodichloromethane	8260C	17.6	20.0	88	81-123
Bromoform	8260C	14.7	20.0	74	65-146
Bromomethane	8260C	19.8	20.0	99	42-166
2-Butanone (MEK)	8260C	19.3	20.0	96	61-137
Carbon Disulfide	8260C	20.4	20.0	102	66-128
Carbon Tetrachloride	8260C	18.7	20.0	93	70-127
Chlorobenzene	8260C	19.5	20.0	98	80-121
Chloroethane	8260C	18.4	20.0	92	62-131
Chloroform	8260C	18.6	20.0	93	79-120
Chloromethane	8260C	22.8	20.0	114	65-135
Dibromochloromethane	8260C	17.3	20.0	86	72-128
1,1-Dichloroethane	8260C	20.5	20.0	103	80-124
1,2-Dichloroethane	8260C	20.7	20.0	104	71-127
1,1-Dichloroethene	8260C	23.7	20.0	118	71-118
cis-1,2-Dichloroethene	8260C	20.8	20.0	104	80-121
trans-1,2-Dichloroethene	8260C	21.8	20.0	109	73-118
1,2-Dichloropropane	8260C	18.4	20.0	92	80-119
cis-1,3-Dichloropropene	8260C	18.0	20.0	90	77-122
trans-1,3-Dichloropropene	8260C	18.5	20.0	92	71-133
Ethylbenzene	8260C	19.3	20.0	97	76-120
2-Hexanone	8260C	19.7	20.0	99	63-124
Methylene Chloride	8260C	18.7	20.0	93	73-122
4-Methyl-2-pentanone (MIBK)	8260C	19.3	20.0	96	66-124
Styrene	8260C	18.6	20.0	93	80-124
1,1,2,2-Tetrachloroethane	8260C	20.9	20.0	105	78-126
Tetrachloroethene	8260C	18.0	20.0	90	72-125
Toluene	8260C	19.5	20.0	97	79-119
1,1,1-Trichloroethane	8260C	18.0	20.0	90	75-125
1,1,2-Trichloroethane	8260C	17.9	20.0	89	82-121
Trichloroethene	8260C	17.9	20.0	90	74-122
Vinyl Chloride	8260C	23.7	20.0	119	74-159

ALS Group USA, Corp.

dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells
Sample Matrix: Water

Service Request: R2008969
Date Analyzed: 10/08/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L**Basis:**NA**Lab Control Sample**

RQ2012054-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
o-Xylene	8260C	19.2	20.0	96	79-123
m,p-Xylenes	8260C	38.3	40.0	96	80-126

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request: R2008969
Date Analyzed: 10/ 7/20

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
File ID: I:\ACQUDATA\MSVOA14\Data\100720\N9964.D\

Calibration Date: 9/24/20
Calibration ID: RC2000149
Analysis Lot: 698266
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Acetone	50.0	60.0	0.3052	0.3659	19.9	NA	± 20 %	Average RF
Benzene	50.0	51.7	1.391	1.438	3.4	NA	± 20 %	Average RF
Bromodichloromethane	50.0	52.7	0.4239	0.4465	5.3	NA	± 20 %	Average RF
Bromoform	50.0	48.4	NA	NA	NA	-3.2	± 20 %	Quadratic
Bromomethane	50.0	55.8	0.3650	0.4076	11.7	NA	± 20 %	Average RF
2-Butanone (MEK)	50.0	63.8	0.4884	0.6232	27.6	*	± 20 %	Average RF
Carbon Disulfide	50.0	50.4	1.450	1.461	0.7	NA	± 20 %	Average RF
Carbon Tetrachloride	50.0	49.7	0.3397	0.3378	-0.5	NA	± 20 %	Average RF
Chlorobenzene	50.0	49.3	1.051	1.036	-1.4	NA	± 20 %	Average RF
Chloroethane	50.0	52.5	0.5044	0.5298	5.0	NA	± 20 %	Average RF
Chloroform	50.0	54.0	0.9634	1.040	7.9	NA	± 20 %	Average RF
Chloromethane	50.0	63.0	0.7415	0.9341	26.0	*	± 20 %	Average RF
Dibromochloromethane	50.0	52.3	NA	NA	NA	4.6	± 20 %	Quadratic
1,1-Dichloroethane	50.0	55.1	1.057	1.164	10.1	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	53.0	0.5254	0.5572	6.1	NA	± 20 %	Average RF
1,1-Dichloroethene	50.0	52.0	0.3987	0.4144	3.9	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	52.2	0.5972	0.6236	4.4	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	52.1	0.4757	0.4958	4.2	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	54.6	0.3929	0.4289	9.2	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	53.3	NA	NA	NA	6.5	± 20 %	Quadratic
trans-1,3-Dichloropropene	50.0	53.7	NA	NA	NA	7.5	± 20 %	Quadratic
Ethylbenzene	50.0	49.4	0.5387	0.5328	-1.1	NA	± 20 %	Average RF
2-Hexanone	50.0	63.4	0.4271	0.5417	26.8	*	± 20 %	Average RF
Methylene Chloride	50.0	51.0	0.6283	0.6408	2.0	NA	± 20 %	Average RF
4-Methyl-2-pentanone (MIBK)	50.0	62.8	0.5203	0.6533	25.6	*	± 20 %	Average RF
Styrene	50.0	53.0	1.089	1.155	6.1	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	54.7	1.293	1.415	9.5	NA	± 20 %	Average RF
Tetrachloroethene	50.0	47.1	0.2692	0.2537	-5.8	NA	± 20 %	Average RF
Toluene	50.0	51.0	1.471	1.500	1.9	NA	± 20 %	Average RF
1,1,1-Trichloroethane	50.0	52.5	0.7224	0.7582	5.0	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	52.5	0.3504	0.3678	5.0	NA	± 20 %	Average RF
Trichloroethene	50.0	52.3	0.3281	0.3433	4.7	NA	± 20 %	Average RF
Vinyl Chloride	50.0	54.9	0.8601	0.9442	9.8	NA	± 20 %	Average RF
o-Xylene	50.0	50.7	0.6457	0.6550	1.4	NA	± 20 %	Average RF
m,p-Xylenes	100	100	0.6548	0.6550	0.0	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	51.0	0.4414	0.4504	2.0	NA	± 20 %	Average RF
Toluene-d8	50.0	51.9	1.185	1.231	3.9	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	50.6	0.2907	0.2944	1.3	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request: R2008969
Date Analyzed: 10/ 8/20

Continuing Calibration Verification Summary
Volatile Organic Compounds by GC/MS

Analytical Method: 8260C
File ID: I:\ACQUDATA\msvoa10\data\100820\T2550.D\

Calibration Date: 9/17/20
Calibration ID: RC2000142
Analysis Lot: 698397
Units: µg/L

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Acetone	50.0	44.8	0.2456	0.2201	-10.4	NA	± 20 %	Average RF
Benzene	50.0	51.9	1.216	1.261	3.7	NA	± 20 %	Average RF
Bromodichloromethane	50.0	51.5	0.4339	0.4468	3.0	NA	± 20 %	Average RF
Bromoform	50.0	45.3	0.2824	0.2560	-9.4	NA	± 20 %	Average RF
Bromomethane	50.0	53.2	0.4829	0.5142	6.5	NA	± 20 %	Average RF
2-Butanone (MEK)	50.0	49.3	0.3631	0.3577	-1.5	NA	± 20 %	Average RF
Carbon Disulfide	50.0	49.4	1.382	1.366	-1.1	NA	± 20 %	Average RF
Carbon Tetrachloride	50.0	49.1	0.3647	0.3582	-1.8	NA	± 20 %	Average RF
Chlorobenzene	50.0	49.9	0.9063	0.9045	-0.2	NA	± 20 %	Average RF
Chloroethane	50.0	50.4	0.3733	0.3766	0.9	NA	± 20 %	Average RF
Chloroform	50.0	50.0	0.8409	0.8411	0.0	NA	± 20 %	Average RF
Chloromethane	50.0	53.9	0.7173	0.7733	7.8	NA	± 20 %	Average RF
Dibromochloromethane	50.0	48.0	0.3614	0.3471	-4.0	NA	± 20 %	Average RF
1,1-Dichloroethane	50.0	51.1	0.8676	0.8874	2.3	NA	± 20 %	Average RF
1,2-Dichloroethane	50.0	55.0	0.4384	0.4820	10.0	NA	± 20 %	Average RF
1,1-Dichloroethene	50.0	49.4	0.3711	0.3669	-1.1	NA	± 20 %	Average RF
cis-1,2-Dichloroethene	50.0	49.9	0.5035	0.5023	-0.2	NA	± 20 %	Average RF
trans-1,2-Dichloroethene	50.0	49.0	0.4185	0.4103	-2.0	NA	± 20 %	Average RF
1,2-Dichloropropane	50.0	50.7	0.3521	0.3571	1.4	NA	± 20 %	Average RF
cis-1,3-Dichloropropene	50.0	52.9	0.5029	0.5318	5.7	NA	± 20 %	Average RF
trans-1,3-Dichloropropene	50.0	53.0	0.4787	0.5071	5.9	NA	± 20 %	Average RF
Ethylbenzene	50.0	48.6	0.4667	0.4538	-2.8	NA	± 20 %	Average RF
2-Hexanone	50.0	46.1	0.3593	0.3316	-7.7	NA	± 20 %	Average RF
Methylene Chloride	50.0	46.2	0.5360	0.4949	-7.7	NA	± 20 %	Average RF
4-Methyl-2-pentanone (MIBK)	50.0	51.0	0.4645	0.4737	2.0	NA	± 20 %	Average RF
Styrene	50.0	52.3	0.9667	1.011	4.6	NA	± 20 %	Average RF
1,1,2,2-Tetrachloroethane	50.0	50.8	0.9115	0.9260	1.6	NA	± 20 %	Average RF
Tetrachloroethene	50.0	48.5	0.2624	0.2543	-3.1	NA	± 20 %	Average RF
Toluene	50.0	52.6	1.307	1.375	5.2	NA	± 20 %	Average RF
1,1,1-Trichloroethane	50.0	46.5	0.7089	0.6592	-7.0	NA	± 20 %	Average RF
1,1,2-Trichloroethane	50.0	50.5	0.3105	0.3138	1.1	NA	± 20 %	Average RF
Trichloroethene	50.0	47.5	0.2992	0.2844	-4.9	NA	± 20 %	Average RF
Vinyl Chloride	50.0	58.0	0.6049	0.7020	16.1	NA	± 20 %	Average RF
o-Xylene	50.0	50.0	0.5842	0.5838	-0.1	NA	± 20 %	Average RF
m,p-Xylenes	100	101	0.5644	0.5675	0.5	NA	± 20 %	Average RF
4-Bromofluorobenzene	50.0	61.9	0.4601	0.5698	23.8 *	NA	± 20 %	Average RF
Toluene-d8	50.0	57.6	1.167	1.345	15.2	NA	± 20 %	Average RF
Dibromofluoromethane	50.0	57.6	0.3037	0.3501	15.3	NA	± 20 %	Average RF

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request: R2008969
Date Analyzed: 10/7/20 22:35

**Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS**

File ID: I:\ACQUDATA\MSVOA14\Data\100720\N9964.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ2012022-02
Analysis Lot: 698266
Signal ID: 1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		225,599	11.73	597,924	5.94	528,974	9.58
Upper Limit ==>		451,198	11.90	1,195,848	6.11	1,057,948	9.75
Lower Limit ==>		112,800	11.56	298,962	5.77	264,487	9.41
ICAL Result ==>		286,812	11.73	685,253	5.94	609,835	9.58
Associated Analyses							
Method Blank	RQ2012022-04	236,858	11.73	601,466	5.94	523,671	9.58
Trip Blank	R2008969-018	227,793	11.73	579,091	5.94	501,062	9.58
VE-10	R2008969-002	229,562	11.73	584,625	5.94	511,145	9.58
VE-15	R2008969-004	234,866	11.73	590,284	5.94	515,314	9.58
RW-4	R2008969-005	235,404	11.73	589,272	5.94	508,841	9.58
MW-2	R2008969-006	226,784	11.73	594,645	5.94	517,782	9.58
MW-10	R2008969-007	229,912	11.73	584,497	5.94	511,340	9.58
MW-13S	R2008969-008	231,604	11.73	583,211	5.94	508,368	9.58
MW-16	R2008969-009	221,407	11.73	588,228	5.94	511,946	9.58
MW-18S	R2008969-010	225,937	11.73	581,210	5.94	507,433	9.58
MW-24S	R2008969-012	228,847	11.73	589,724	5.94	512,871	9.58
SW-34	R2008969-014	232,215	11.73	589,050	5.94	513,440	9.58
SW-35	R2008969-015	225,824	11.73	583,381	5.94	506,052	9.58
MW-13S Dup	R2008969-016	232,256	11.73	597,021	5.94	514,599	9.58
Lab Control Sample	RQ2012022-03	242,828	11.73	598,065	5.94	527,078	9.58

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request: R2008969
Date Analyzed: 10/7/20 22:35

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\MSVOA14\Data\100720\N9964.D\
Instrument ID: R-MS-14
Analytical Method: 8260C

Lab Code: RQ2012022-02
Analysis Lot: 698266
Signal ID: 1

		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		348,535	4.68
Upper Limit ==>		697,070	4.85
Lower Limit ==>		174,268	4.51
ICAL Result ==>		413,695	4.68

Associated Analyses

Method Blank	RQ2012022-04	354,342	4.69
Trip Blank	R2008969-018	339,751	4.68
VE-10	R2008969-002	341,671	4.68
VE-15	R2008969-004	348,658	4.68
RW-4	R2008969-005	340,894	4.68
MW-2	R2008969-006	351,387	4.68
MW-10	R2008969-007	344,602	4.68
MW-13S	R2008969-008	340,031	4.68
MW-16	R2008969-009	345,718	4.68
MW-18S	R2008969-010	341,508	4.68
MW-24S	R2008969-012	346,111	4.68
SW-34	R2008969-014	346,255	4.68
SW-35	R2008969-015	342,813	4.68
MW-13S Dup	R2008969-016	348,656	4.68
Lab Control Sample	RQ2012022-03	352,159	4.68

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request: R2008969
Date Analyzed: 10/8/20 08:30

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\100820\T2550.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ2012054-02
Analysis Lot: 698397
Signal ID: 1

		1,4-Dichlorobenzene-d4		1,4-Difluorobenzene		Chlorobenzene-d5	
		<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>	<u>Area</u>	<u>RT</u>
Results ==>		268,447	11.85	431,580	6.49	422,445	9.80
Upper Limit ==>		536,894	12.02	863,160	6.66	844,890	9.97
Lower Limit ==>		134,224	11.68	215,790	6.32	211,223	9.63
ICAL Result ==>		238,647	11.85	444,744	6.49	408,616	9.80
<i>Associated Analyses</i>							
Lab Control Sample	RQ2012054-03	216,126	11.85	429,666	6.49	400,762	9.80
Method Blank	RQ2012054-04	175,947	11.85	394,583	6.49	368,133	9.80
VE-6	R2008969-001	162,012	11.85	346,734	6.49	310,751	9.80
VE-12	R2008969-003	163,248	11.85	340,479	6.49	305,953	9.80
MW-19	R2008969-011	156,766	11.85	353,265	6.49	311,994	9.80

Results flagged with an asterisk (*) indicate values outside control criteria.

ALS Group USA, Corp. dba ALS Environmental

QA/QC Report

Client: Xerox Corporation USA
Project: Bldg 801 Area Wells

Service Request: R2008969
Date Analyzed: 10/8/20 08:30

Internal Standard Area and RT Summary
Volatile Organic Compounds by GC/MS

File ID: I:\ACQUDATA\msvoa10\data\100820\T2550.D\
Instrument ID: R-MS-10
Analytical Method: 8260C

Lab Code: RQ2012054-02
Analysis Lot: 698397
Signal ID: 1

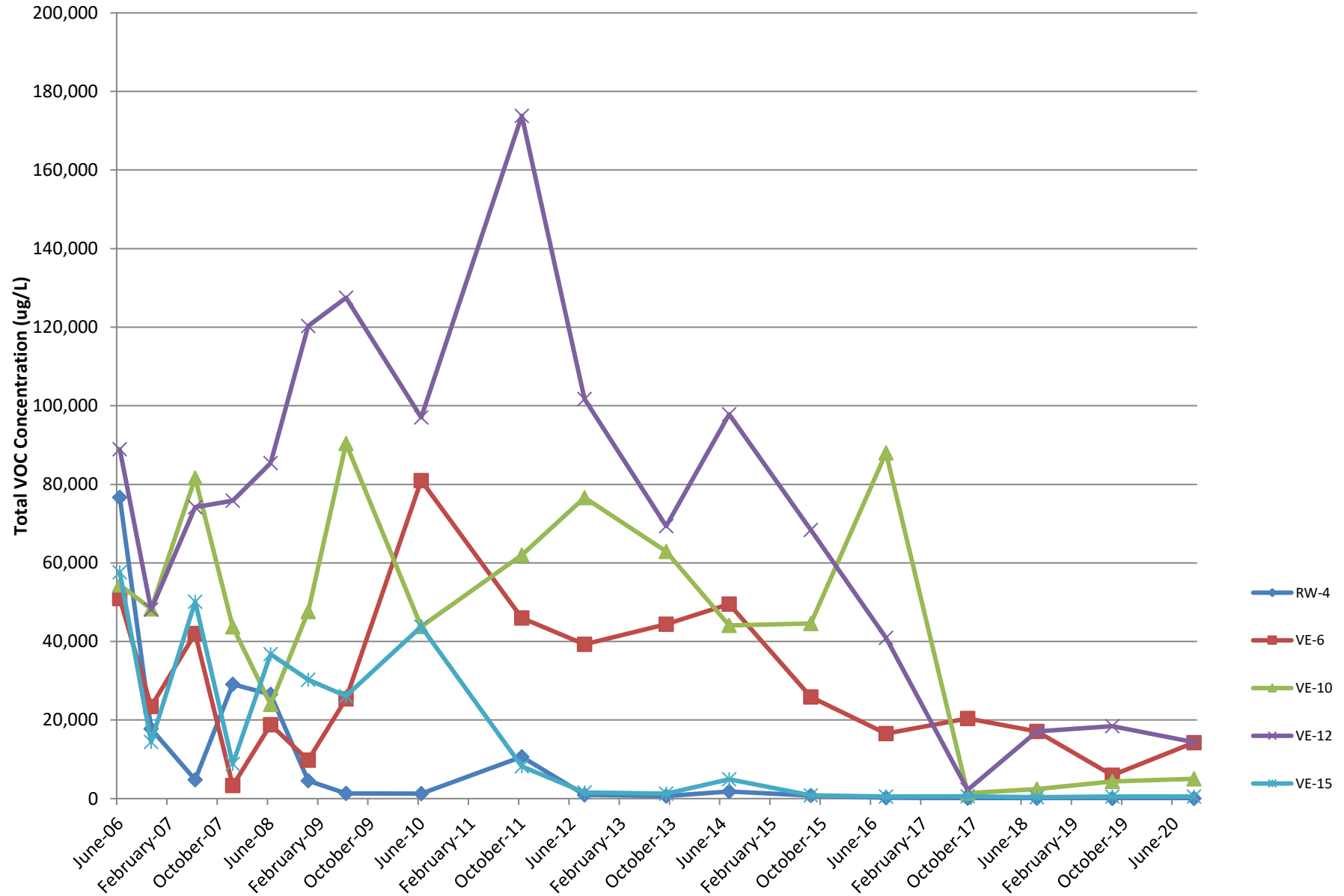
		Pentafluorobenzene	
		<u>Area</u>	<u>RT</u>
Results ==>		280,323	5.40
Upper Limit ==>		560,646	5.57
Lower Limit ==>		140,162	5.23
ICAL Result ==>		284,959	5.40
Associated Analyses			
Lab Control Sample	RQ2012054-03	283,401	5.40
Method Blank	RQ2012054-04	261,210	5.40
VE-6	R2008969-001	238,976	5.40
VE-12	R2008969-003	232,653	5.40
MW-19	R2008969-011	236,438	5.40

Results flagged with an asterisk (*) indicate values outside control criteria.

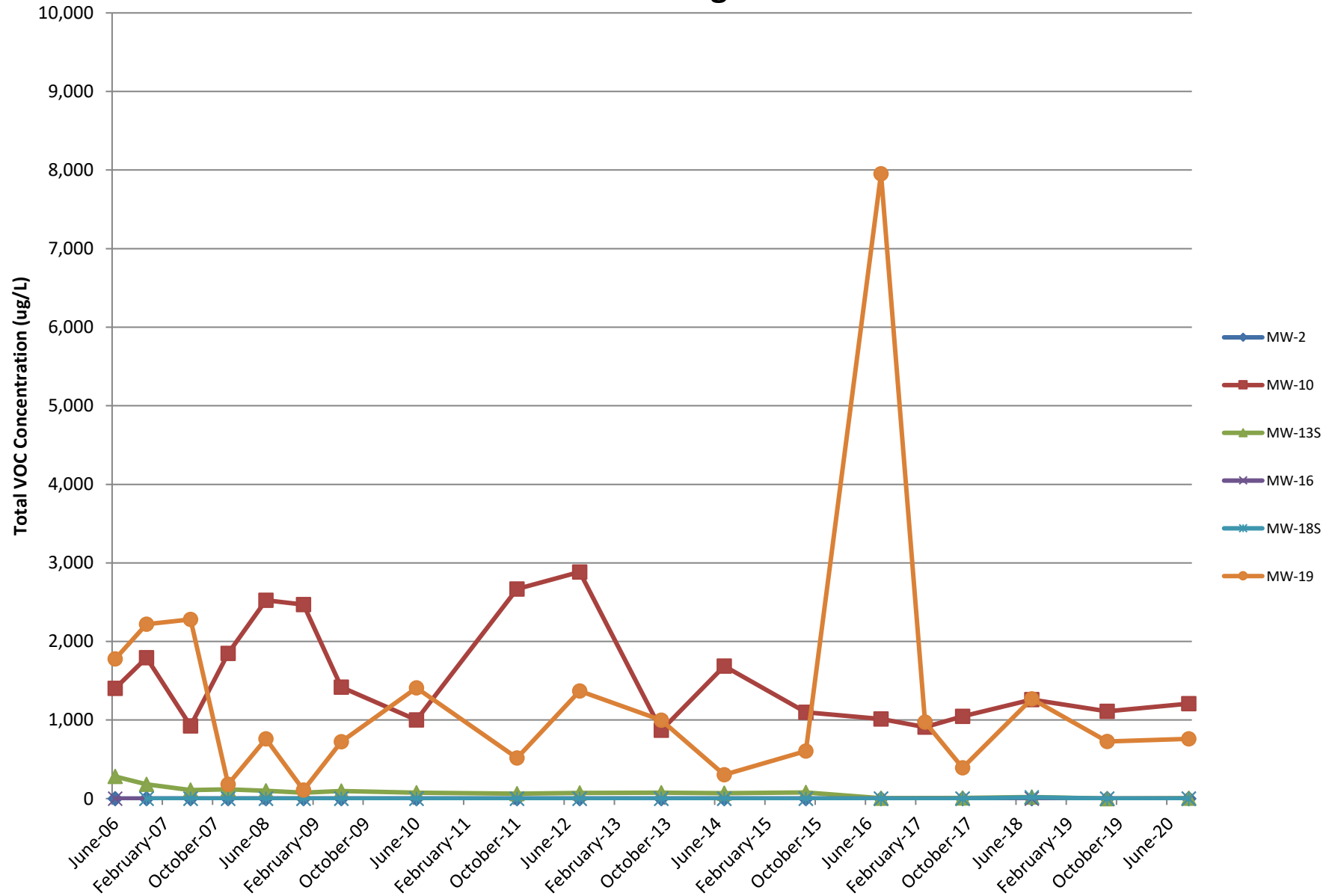
APPENDIX C

Time vs. Concentration Graphs

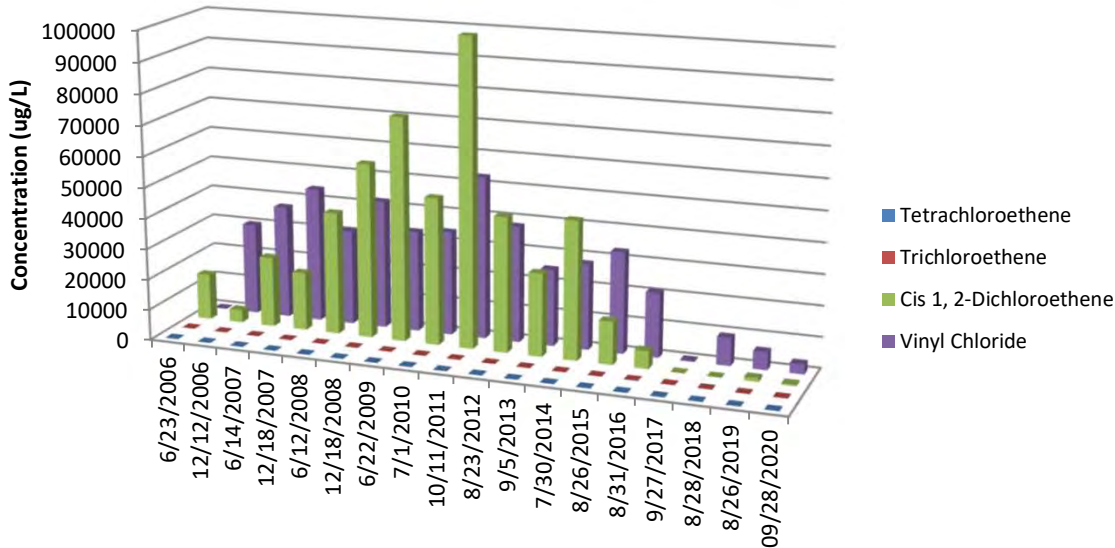
Total VOCs - Source Area Wells



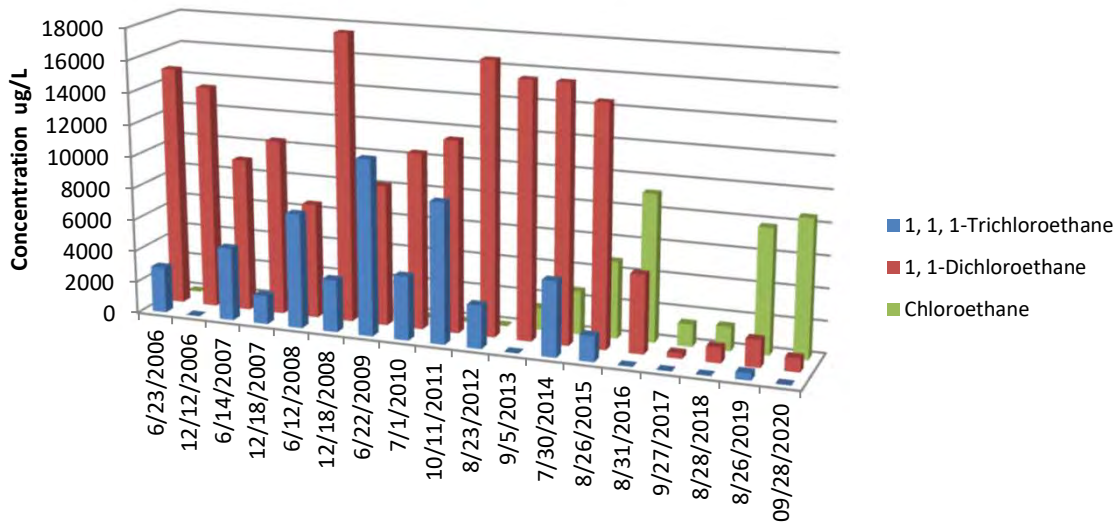
Total VOCs - Downgradient Wells



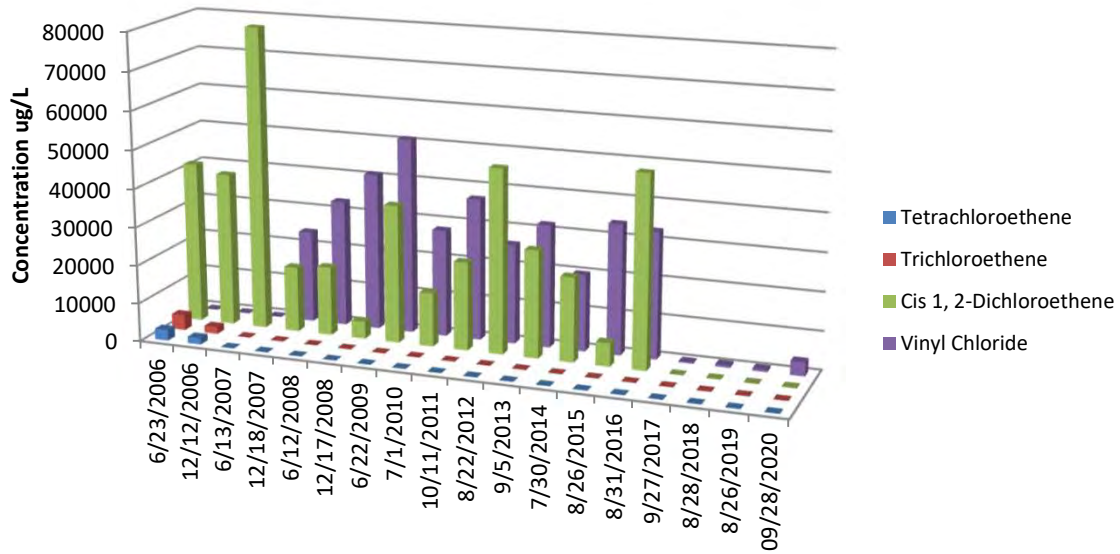
VE-12 (PCE & Breakdown)



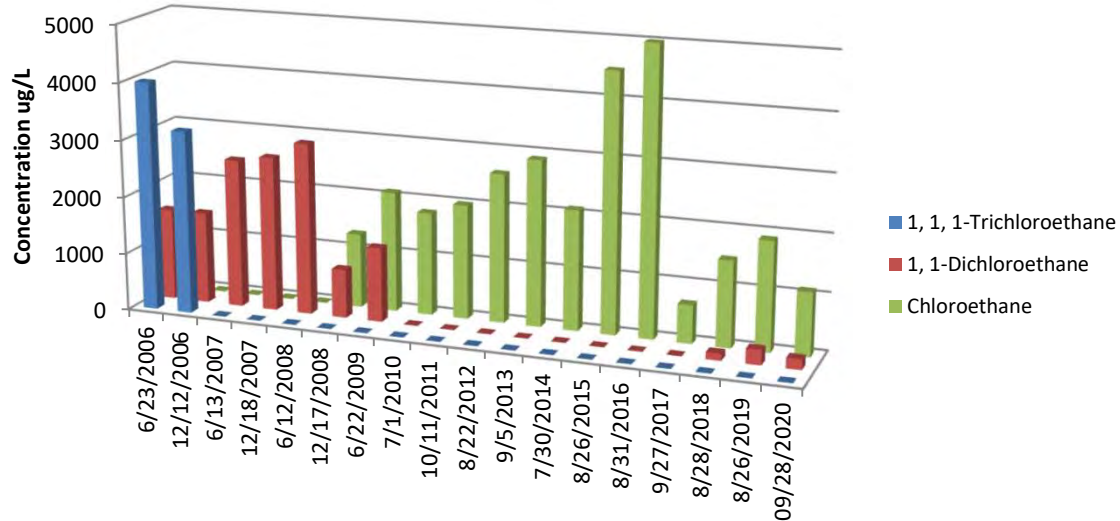
VE-12 (TCA & Breakdown)



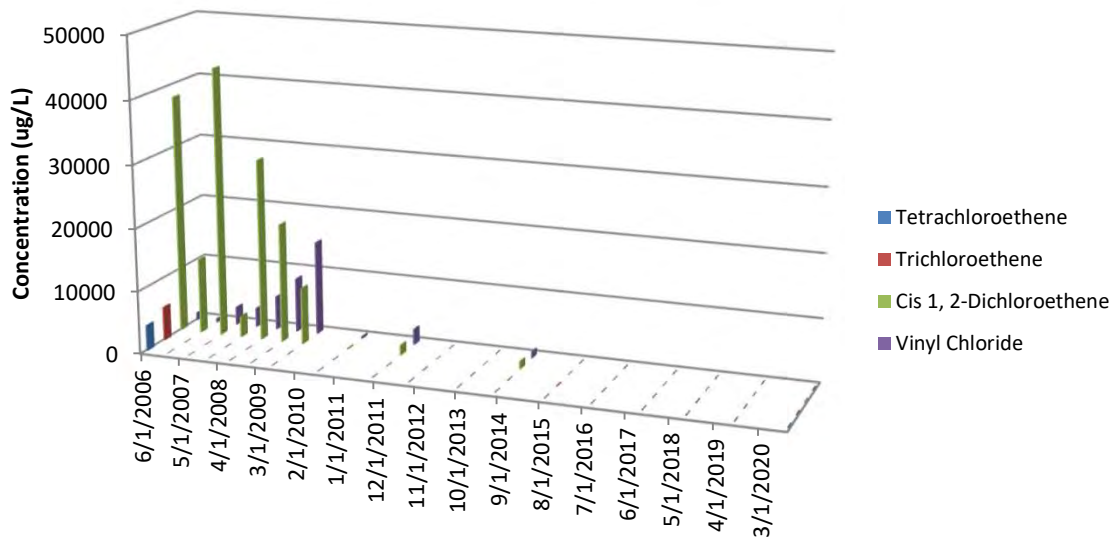
VE-10 (PCE & Breakdown)



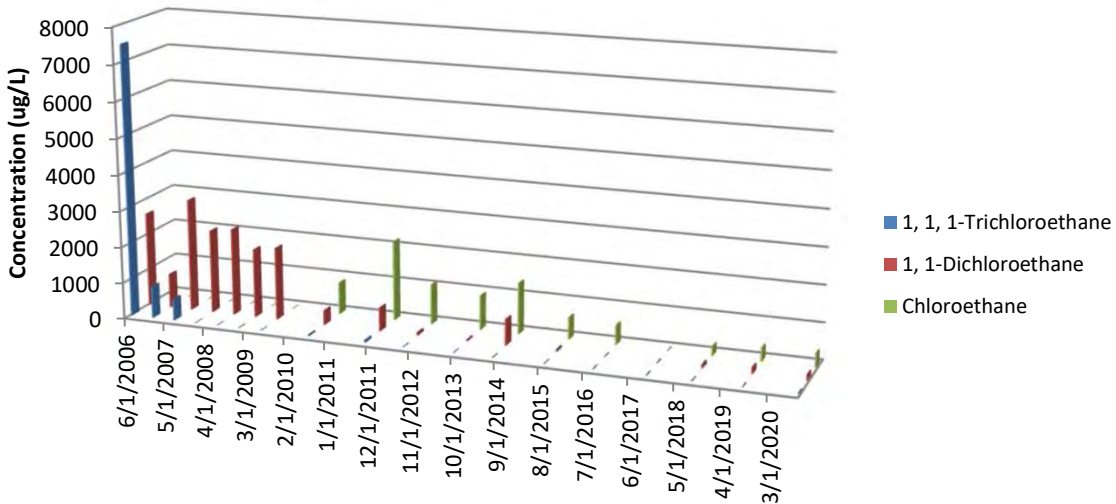
VE-10 (TCA & Breakdown)



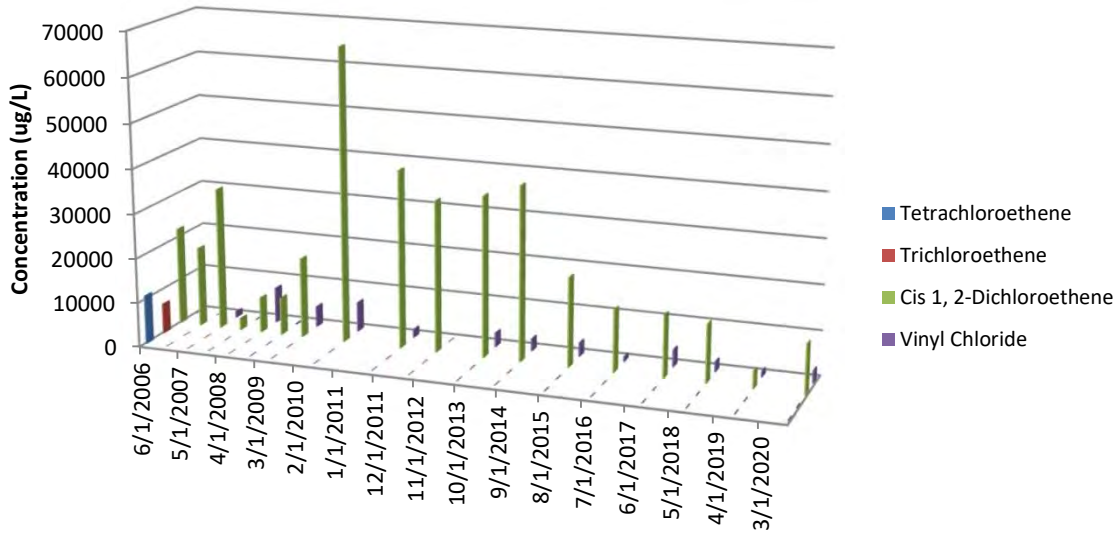
VE-15 (PCE & Breakdown)



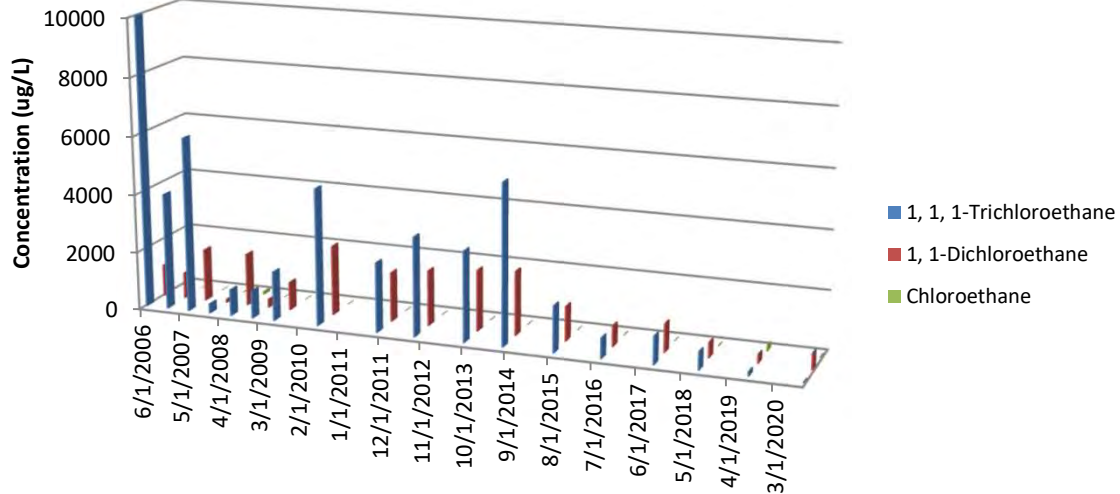
VE-15 (TCA & Breakdown)



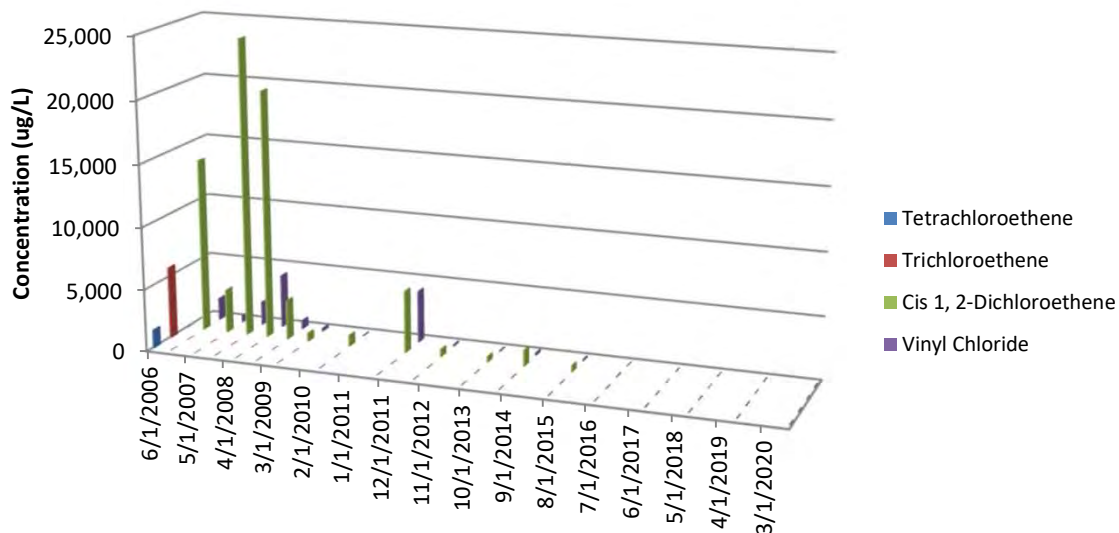
VE-6 (PCE & Breakdown)



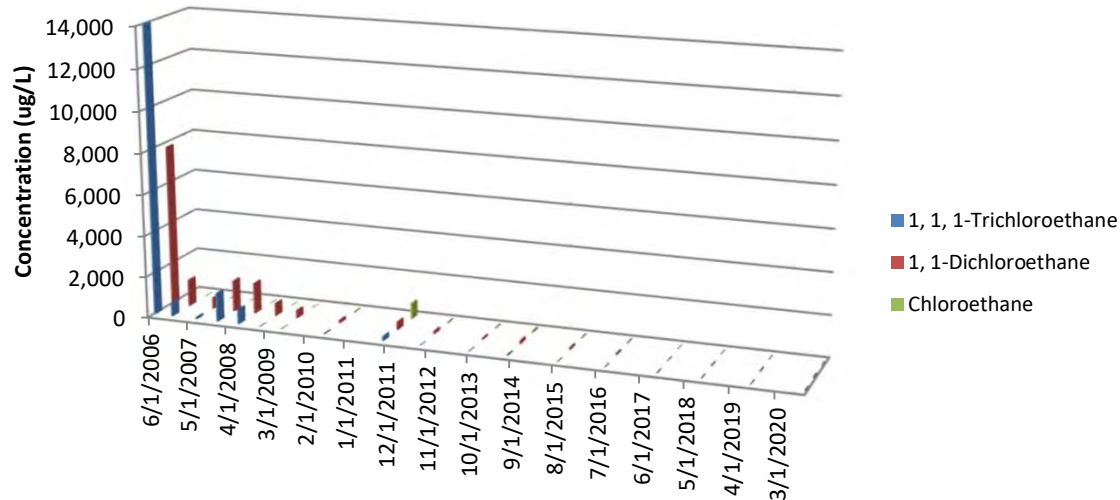
VE-6 (TCA & Breakdown)



RW-4 (PCE & Breakdown)



RW-4 (TCA & Breakdown)



APPENDIX D

Environmental Monitoring Report

Environmental Monitoring Report

NYSDEC Site #828069

Location:

Former Xerox Building 801
NYSDEC Site #828069
1350 Jefferson Road
Henrietta, New York 14623

Prepared for:

L3Harris Technologies, Inc.
1350 Jefferson Road
Henrietta, New York 14623

LaBella Project No. 2200916

January 12, 2021



300 State Street, Suite 201 | Rochester, NY 14614 | p 585-454-6110 | f 585-454-3066

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Appendix 2 CAMP Data
Appendix 3 Laboratory Reports
Appendix 4 Imported Material Documentation
Appendix 5 Wastewater Discharge Permits



1.0 INTRODUCTION

LaBella Associates, D.P.C. (LaBella) is pleased to provide this Environmental Monitoring Report that documents recent environmental monitoring of construction activities at the Former Xerox Building 801 located at 1350 Jefferson Road, Town of Henrietta, Monroe County, New York.

The site is listed as a New York State (NYS) Inactive Hazardous Waste Disposal Site (IHWDS) #828069 that is administered by the New York State Department of Environmental Conservation (NYSDEC). A Site Management Plan (SMP) has been developed to manage residual contamination remaining at the site. The SMP applies to the entire site, however, the Excavation Work Plan (EWP) included in Section 2.5 of the SMP only applies to the management of soil and groundwater within and immediately adjoining the Soil and Groundwater Management Area (SGMA) shown on Figure 1. This report is intended to summarize and document environmental monitoring during construction related activities that were completed outside of the SGMA that related to the installation of a satellite tower, concrete main test pad, remote test pad/ shelter, antenna, and underground utilities or referred to as the “Test Network” project.

2.0 SITE HISTORY AND SUPPORTING DOCUMENTATION

2.1 Site History

The site is listed as a NYSDEC listed IHWDS #828069. Xerox Corporation refurbished photocopier machines at the site between 1972 and 1978. The machine parts were cleaned in the northeast corner of the building using chlorinated solvent blends and/or detergent washes. In 1986, Xerox Corporation initiated investigative activities to evaluate environmental conditions as they related to former copier refurbishing operations. Solvent was identified in a surface water drainage feature to the north of the facility as well as in the soil, sediment, and groundwater beneath portions of the site.

The site compounds of concern (COCs) include methylene chloride, 1,1-dichloroethene (1,1- DCE), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-dichloroethane (1,2-DCA), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride (VC), and mineral spirits. The majority of the soil impact occurs in the upper 8 to 12 feet of soils. These COCs are generally present under the northeast corner of the building and to the north in an area identified as the SGMA.

2.2 Supporting Documentation

A Design Phase Investigation (DPI) was conducted at the initial locations of the proposed subsurface excavation areas outside of the SGMA that included the completion of seven (7) soil borings, installation of five (5) temporary monitoring wells, and the laboratory analysis of seven (7) soil and five (5) groundwater samples. Each sample was analyzed for United States Environmental Protection Agency (USEPA) Target Compound List volatile organic compounds (VOCs) using USEPA Method 8260.



VOCs were not detected at concentrations above the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), except for acetone in two samples. Acetone is a common laboratory contaminant and the detection of acetone may not represent actual site conditions. The COCs were not detected in the soil samples analyzed from the site. Petroleum and chemical related VOCs were only detected in one (MW-01) of the four groundwater samples above the 6 NYCRR Part 703 Groundwater Standards. Well MW-01 is located at a proposed underground utility trench and was the furthest location from the boundary of the SGMA. The DPI report is included in Appendix 1 (that is an attachment to the EWP developed by LaBella) and includes the testing locations and further details of the analytical results.

3.0 DESCRIPTION OF WORK PERFORMED

3.1 Governing Documents

In accordance with the SMP, a Change of Use (COU) and Excavation Work Plan (EWP) dated May 15, 2020 were provided to the NYSDEC and approved by the NYSDEC on June 4, 2020. A copy of the COU and EWP (the COU is included as an attachment to the EWP) and NYSDEC approval letter is included in Appendix 1.

This report is intended to document environmental monitoring activities related to the L3Harris Test Network project. All construction work was completed in substantial performance with the NYSDEC approved EWP.

3.1.1 Site-Specific Health and Safety Plan (HASP)

All work was conducted in general accordance with 29 CFR 1910.120. Contractors were provided a copy of the SMP that includes an example HASP found in Appendix B of the SMP.

3.1.2 Community Air Monitoring Plan

The Community Air Monitoring Plan (CAMP) was implemented to provide real-time monitoring for particulate and volatile organic compounds (VOCs) at the upwind and downwind perimeter of the work area during subsurface excavation activities. Particulate and VOC monitoring was conducted in accordance with New York State Department of Health (NYSDOH) Community Air Monitoring protocol outlined in the New York State Department of Environmental Conservation (NYSDEC) DER-10 Technical Guidance for Site Investigation and Remediation dated May 3, 2010.

Each CAMP station generally consisted of a particulate monitor (DustTrak II Model 8530) and PID (MiniRAE 3000) which recorded measurements on a 15-minute average. The CAMP monitoring results did not identify any particulate or VOC levels above action thresholds identified in the CAMP.

A copy of the CAMP data is included in Appendix 2.



3.1.3 Contractors and Consultants

Table 3.1.3 identifies consultants and contractors involved with the Test Network project:

TABLE 3.1.3 – Contractors and Consultants

Contractor/ Consultant	Role
LaBella Associates, D.P.C.	Environmental consultant responsible for correspondence with NYSDEC, assisting L3Harris with compliance to the applicable SMP requirements, environmental oversight, reporting, sample collection and CAMP monitoring.
LeChase Construction	Responsible for the subsurface excavation and construction of the Test Network project.
Burrows Brothers, Inc.	Utility contractor responsible for the direction drilling of some of the new underground utilities for the Test Network project.
Alpha Analytical	Laboratory testing of samples.

4.0 CONSTRUCTION ACTIVITIES

This section summarizes the subsurface construction and testing activities that have been completed as part of the Test Network project. Soil was removed at the following locations summarized below and shown on the attached Figure.

TABLE 4.0 – Summary of Construction Activities and Soil Reuse Testing Summary

Location/ Excavation Area	Dates of Monitoring Work	General Work Activity	Estimated Volume (CY)	Sample ID*	Results Summary
Underground Utilities (i.e. directional drilling)	6/17/2020, 6/18/2020, 6/19/2020, 6/22/2020	Excavation work for the directional drilling of underground utilities. Sample collected for sediment/sludge of drilling waste.	15	WC-06222020 (Lab Report L2026179)	All results below the Unrestricted Use SCOs.
Underground Electric at Remote Test Pad Area	9/10/2020	Excavation of soil for underground electric at remote test pad area. Soil samples collected for reuse within electrical conduit trench and excess material to be relocated at approved north area of Site.	5	TRENCH SPOILS 09-10-20 STOCKPILE-09- 10-20 (Lab Report L2037893)	All results below the Unrestricted Use SCOs.
Main Test Pad	9/15,2020, 9/16/2020	Excavation for Main Test Pad Foundation.	20	SOIL PILE-01-C- 092520 (Lab Report L2040634)	All results below the Unrestricted Use SCOs.



Location/ Excavation Area	Dates of Monitoring Work	General Work Activity	Estimated Volume (CY)	Sample ID*	Results Summary
Remote Test Pad Area	9/25/2020	Excavation and grading for remoted test pad area	10	SOIL PILE-02-C- 092520 (Lab Report L2040630)	All results below the Unrestricted Use SCOs.
F Dock Area	10/20/2020, 10/21/2020	Excavation for new F Dock loading area.	10	Soil Pile - FDOCK-01 (Lab Report L2045745)	All results below the Unrestricted Use SCOs.

*Laboratory analytical reports are included in Appendix 3.

All soil excavated was screened for evidence of impairment with a photoionization detector. Evidence of impairment was not observed in any of the soil excavated as part of the Test Network project. Upon receipt of the testing results, all soil was relocated to the designated soil relocation areas identified in the EWP, with the exception of the electrical conduit trench that was excavated in the remote test pad area. Some of the soil excavated from this location was reused as backfill within the trench it was removed from.

4.1 Imported Backfill

A table of all sources of imported backfill with quantities for each source is shown in Table 4.1. Please note that some imported material was exempt from chemical testing in accordance with DER-10 Section 5.4(e)(5).

TABLE 4.1 – Imported Backfill Material Summary

Location or Use	Type	Source	Estimated Volume or Tonnage	NYSDEC Approval Date
Test Pad	CR#2 (Crusher Run Stone)	The Dolomite Group 746 Whalen Road, Rochester, New York The Dolomite Group (Iroquois Stone) 5251 Sweden Walker Road, Brockport, NY	522.83 tons	9/17/2020
Remote Test Pad, Antenna Base, and Satellite Tower	CR#1 (Crusher Run Stone)	The Dolomite Group 746 Whalen Road Rochester, New York	108.11 tons	9/17/2020
Remote Test Pad Area	5/8" Stone	The Dolomite Group 746 Whalen Road Rochester, New York	82.96 tons	10/8/2020

Requests for import, associated approvals, testing summary of imported materials (if applicable), and associated weigh tickets receipts are included in Appendix 4.



4.2 Material Disposal Documentation

Soil:

No soil was removed for off-site disposal as part of the Test Network project.

Groundwater:

Approximately 1,000 gallons of groundwater accumulated within the main test pad excavation foundation trench that was removed into a holding tank. The groundwater was tested and disposed into the on-site sanitary sewer under Monroe County Pure Water's Short Term Sewer Use Permit (ST-399) and with approval from the Town of Henrietta. A copy of the Monroe County Pure Water's Short Term Sewer Use Permit (ST-399) and with approval from the Town of Henrietta is included in Appendix 5. Please note the quantity of water listed on the permit is not the actual amount of groundwater removed the excavation and disposed of.

5.0 CERTIFICATION

I MICHAEL F. PELYCHATY certify that I am currently a Qualified Environmental Professional, I had primary direct responsibility for the implementation of the subject construction program, and I certify that the requirements of the Site Management Plan were implemented and that all construction activities were completed in substantial conformance with the DER-approved Excavation Work Plan.

Michael F. Pelychaty, PG
Sr. Environmental Geologist



APPENDIX 1

Excavation Work Plan, Change of Use, and NYSDEC Approval

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road, Avon, NY 14414-9516
P: (585) 226-5353 | F: (585) 226-8139
www.dec.ny.gov

June 4, 2020

Jason Scott
Harris Global Communications, Inc
Subidiary of L3Harris Technologies, Inc.
1350 Jefferson Road
Rochester, New York 14624

Dear Mr. Scott:

**RE: Xerox-Henrietta Site (Site ID# 828069)
Proposed Change in Use
Henrietta(T), Monroe (C)**

Staff at the New York State Department of Environmental Conservation (the Department) has reviewed the proposed change in use project identified in your May 15, 2020 e-mail. This project is hereby approved provided the following conditions are met:

1. If any utility installation below the water table is conducted within the soil and groundwater management area (SGMA), the following must be considered as per the approved Site Management Plan (SMP):
 - a. Utility installation and similar excavation types that cross a limit of the SGMA must be conducted using appropriate measures to prevent groundwater migration away from the SGMA during excavation activities and within the limits of the completed (backfilled) excavation. Consideration of backfill material, trench bedding material, trench collars, etc, to prevent potential groundwater migration away from the SGMA is necessary;
2. In addition to the compounds identified in the SMP, imported soils for backfill must be analyzed for polyfluoroalkyl substances (PFAS) unless the material meets the specifications in DER-10 Section 5.4(e)5. No sampling is required for backfill meeting this specification; and
3. Xerox Corporation is the remedial party that must certify to the Department that all conditions specified in the Deed Restriction and SMP are met on an annual basis. After completion of this project, a report documenting all ground intrusive work completed must be provided to Xerox Corporation and the Department. This report must include a certification that the work was performed in accordance with the approved SMP dated 7/30/15.

Please keep me informed of the schedule, and let me know if you have any questions. Thank you for continued cooperation.

Sincerely,

A handwritten signature in blue ink, appearing to read "Todd M. Caffoe".

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |



ec: D. Pratt
M. Pelychaty
M. Lathrop

May 15, 2020

Mr. Todd Caffoe, P.E.
NYSDEC – Region 8
Department of Environmental Remediation
6274 East Avon Lima Road
Avon, New York 14414

Re: **Change In Use and Excavation Work Plan**
Former Xerox Building 801
NYSDEC Site #C828069
1350 Jefferson Road, Henrietta, New York
LaBella Project No. 2200916

Dear Mr. Caffoe:

LaBella Associates, D.P.C. (LaBella) is submitting this Change In Use (CIU) and Excavation Work Plan (EWP) and associated supporting documentation on behalf of Harris Global Communications, Inc (Harris), a subsidiary of L3Harris Technologies, Inc. in order to provide the 60-day notification of the activities that will be taking place at a portion of the Former Xerox Building 801 located at 1350 Jefferson Road, Town of Henrietta, Monroe County, New York.

1. Change In Use Notification

Included in Attachment 1 is the Change In Use 60-Day Advance Notification.

2. Background and Summary of Work

The site is listed as a New York State (NYS) Inactive Hazardous Waste Disposal Site Program Site #828069. Xerox Corporation refurbished photocopier machines at the site between 1972 and 1978. The machine parts were cleaned in the northeast corner of the building using chlorinated solvent blends and/or detergent washes. In 1986, Xerox Corporation initiated investigative activities to evaluate environmental conditions as they related to former copier refurbishing operations. Solvent was identified in a surface water drainage feature to the north of the facility as well as in the soil, sediment, and groundwater beneath portions of the site.

The site compounds of concern (COCs) include methylene chloride, 1,1-dichloroethene (1,1- DCE), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-dichloroethane (1,2-DCA), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride (VC), and mineral spirits. The majority of the soil impact occurs in the upper 8 to 12 feet of soils. These COCs are generally present under the northeast corner of the building and to the north in an area identified as the Soil and Groundwater Management Area (SGMA).

Harris plans to construct/install on the site a satellite tower, concrete main test pad, remote test pad/ shelter, antenna, and underground utilities to support the project. The majority of these items are located outside but adjacent to the SGMA as shown on Figure 1. Figure 1 also summarizes the locations where excavations are anticipated beneath the asphalt and subgrade layer.



3. Summary of Environmental Conditions Anticipated to be Encountered

A Design Phase Investigation (DPI) was conducted at the locations of the proposed subsurface excavation areas outside of the SGMA that included the completion of seven (7) soil borings, installation of five (5) temporary monitoring wells, and the laboratory analysis of seven (7) soil and five (5) groundwater samples. Each sample was analyzed for United States Environmental Protection Agency (USEPA) Target Compound List volatile organic compounds (VOCs) using USEPA Method 8260.

VOCs were not detected at concentrations above the NYSDEC Part 375 Unrestricted Use Soil Cleanup Objectives (SCOs), except for acetone in two samples. Acetone is a common laboratory contaminant and the detection of acetone may not represent actual site conditions. The COCs were not detected in the soil samples analyzed from the site. Petroleum and chemical related VOCs were only detected in one (MW-01) of the four groundwater samples above the 6 NYCRR Part 703 Groundwater Standards. Well MW-01 is located at a proposed underground utility trench and was the furthest location from the boundary of the SGMA. The DPI report is included in Attachment 2 that includes the testing locations and further details on analytical results.

4. Schedule

Assuming no Covid-19 related delays, the construction project is anticipated to begin immediately upon NYSDEC approval/concurrence, however, the preference is to begin approximately mid-June with work concluding near the end of July.

5. Excavation Work Plan

During all soil/fill disturbances, soils will be assessed for visible and olfactory indications of potential impact, under the supervision of a qualified environmental professional. Soils/fill encountered will also be screened for indication of detectable volatile organic compounds (VOCs) with a photoionization detector (PID).

Based on prior testing during the DPI, soil excavated outside of the SGMA will be relocated to the location on the site property shown on Figure 2 and graded. Excavations within the SGMA are anticipated to be minimal as helical piles will be used for the foundations. It is anticipated that the helical piles will be installed to a depth of about 25ft with minimal soil disruption due to their design and installation method. Based on this, any soil generated from the helical pile installation or minor excavations from beneath the sand and asphalt layer will be placed in either 55-gallon drums or a roll-off container lined with and covered with plastic. Although not anticipated, if a large volume of soil within the SGMA is excavated it will be placed on and covered with plastic and continuously encircled with a berm and/or silt fence. Stockpiles will be kept covered at all times with appropriately anchored tarps or plastic. Stockpiles will be routinely inspected and damaged tarp covers will be promptly replaced. Stockpiles will be inspected at a minimum once each week and after every storm event. Results of inspections will be recorded in a logbook and maintained at the site and available for inspection by the NYSDEC. LaBella will conduct weekly inspections while on-site.

If the existing cover system is comprised, a minimum of 12 inches of clean soil, gravel, or crushed recycled masonry will be placed over the area or covered with an asphalt or concrete layer in a manner that complies with the SMP.



The NYSDOH Generic Community Air Monitoring Plan (CAMP) will be followed during all ground intrusive work. Two air monitoring locations, one upwind and one downwind from the excavation activities will be set up preceding any intrusive work. Due to the variability of the wind direction these locations will change on a daily, or more frequent, basis. The location of air sampling stations will be based on generally prevailing wind conditions and will be kept in a daily log. Exceedances of action levels listed in the CAMP will be recorded. Dust suppression will be completed as necessary as defined in the SMP.

All necessary means will be employed to prevent on- and off-site odor nuisances. If necessary, area of open excavations will be limited; excavations will be shrouded with tarps or covers to cover odorous soils. If odors cannot be controlled, soils will be directly loaded for off-site disposal; chemical odorants and sprays (PFAS and COC free) will be used; staff will monitor odors in surrounding areas; and a temporary containment structure can be constructed with air venting/filtering systems. If control cannot be achieved, intrusive work (excavation and soil management) will stop until effective measures are in place.

6. Compliance with the Site Management Plan

All parties working at the Site will be made aware of and will be provided a copy of the SMP. All work will be completed in accordance with 29 CFR 1910.120.

7. Disposal Activities

Excess soils excavated from the SGMA that cannot be managed within the SGMA and that exceed the Restricted Use SCOs for Commercial site shall be containerized in an acceptable hazardous waste container(s) and characterized for off-site disposal at an appropriate NYSDEC-licensed disposal facility, within 90 days of generation. All site-related solvent impacted soils are considered F-coded hazardous wastes. A “Contained-In” demonstration pursuant to the Division of Solid Hazardous Materials TAGM 3028 will be conducted for soils to be disposed of as non-hazardous. All transport of regulated materials and characterized wastes will be performed by licensed haulers in properly placarded trucks in accordance with appropriate local, State, and Federal regulations, including 6 NYCRR Part 364.

8. Imported Materials

In accordance with the SMP, soils brought to the site for filling and grading purposes shall be from an acceptable borrow source, free of industrial and/or other potential sources of chemical contamination. Sampling data must be provided from all sources, including NYSDOT-approved borrow sources. Analytical testing of backfill materials imported to the site shall consist of the following list below unless a site-specific exemption is granted by the NYSDEC based on documentation of the origin and composition of the proposed backfill.

- EPA Method 8260 (Target Compound List VOCs)
- EPA Method 8270 (Target Compound List SVOCs)
- EPA Method 6010 (Target Analyte List metals)
- EPA Method 8082 & 8081 (PCBs & Pesticides)

Samples shall be collected at a frequency of one sample per 1,000 cubic yards of proposed imported material in accordance with the SMP.



9. Material Reuse

Prior testing of excavation areas outside of the SGMA indicate the soil meets the NYSDEC Unrestricted Use SCOs. This material is anticipated to be reused within the excavation it was removed from and/or relocated to the general area(s) shown on Figure 2.

10. Fluids Management

If groundwater or stormwater accumulates in the excavations and needs to be removed, it will be containerized and discharged to the Monroe County Pure Waters (MCPW) under a Short Term Sewer Use Permit. Since the project is in the Town of Henrietta, the Town will be contacted to approve the discharge location and use of their sewer.

11. Health and Safety Plan (HASP)

The final Contractors for the site work and antenna installations have not been selected and a copy of the contractors' HASP will be included prior to the start of work. All work will be conducted in accordance with 29 CFR 1910.120. The contractors' will also be provided a copy of the SMP that includes an example HASP found in Appendix B of the SMP which may be used as a template.

12. Decontamination of Equipment

All equipment used at the site that comes in contact with the COCs at concentrations above the NYSDEC Part 375 Unrestricted Use SCOs for soil/fill material and the 6 NYCRR Part 703 Groundwater Standards will require decontamination using clean water to wash off soil and/or water residue from construction activities. The Contractor shall construct a temporary decontamination pad that will be used to decontaminate the earthwork related equipment.

The decontamination pad shall be constructed of two (2) layers of 6-mil reinforced polyethylene sheeting (or equivalent), with a sump, for the purposes of collecting wash water. Wash water shall be stored in 55-gallon drums, storage tanks or incorporated into tanks for treatment and proper disposal. Accumulated sediments shall be legally disposed of in accordance with all applicable regulations.

We appreciate the opportunity to serve your professional environmental engineering needs. If you have any questions, please do not hesitate to contact us at 585-295-6253.

Respectfully submitted,

LaBella Associates

Michael F. Pelychaty, PG
Sr. Environmental Geologist

Figures

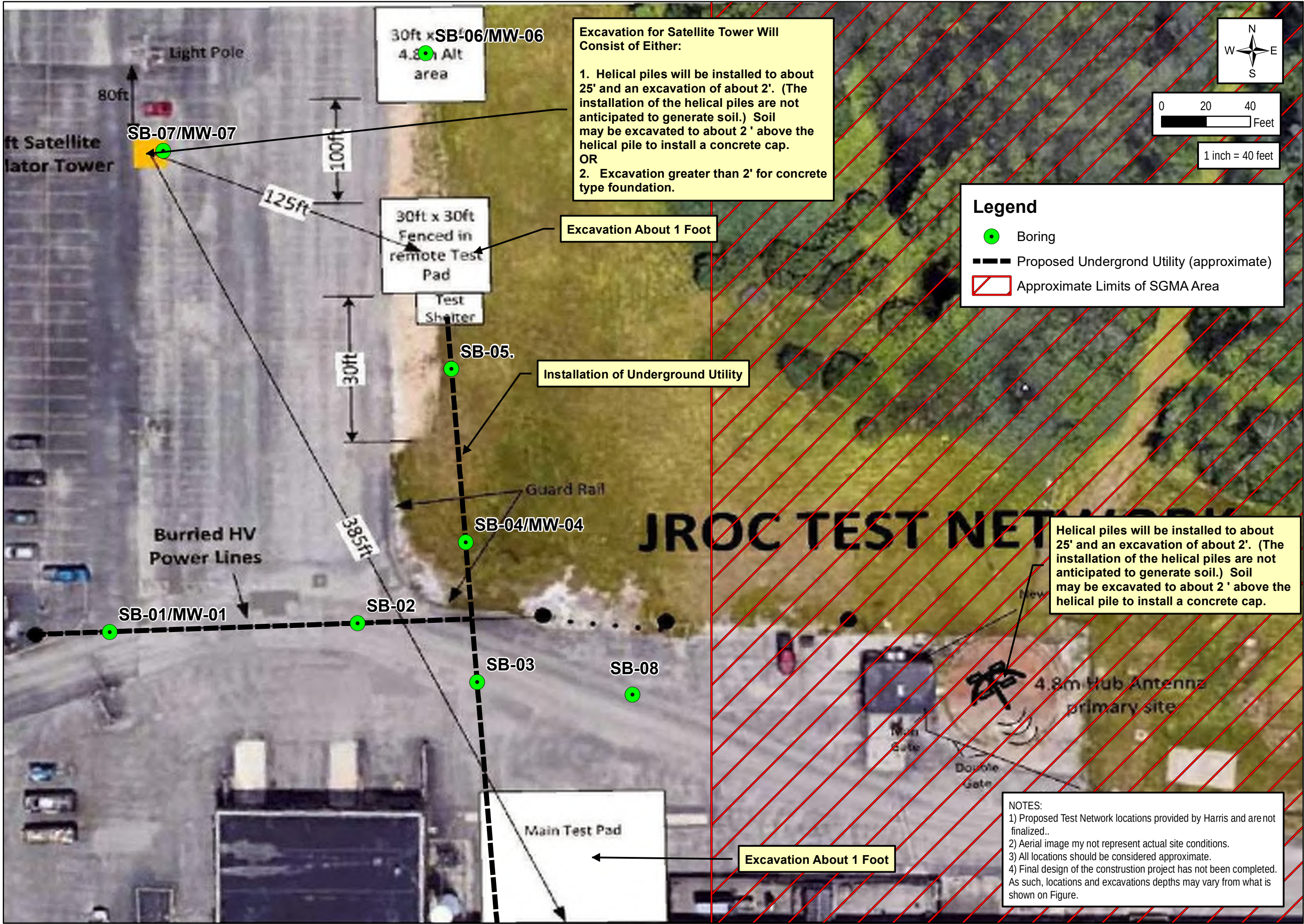
Attachment A – Change In Use

Attachment B – Design Phase Investigation Report



FIGURES

I:\L3 Harris Technologies\2200916 - 1350 Jefferson Rd Design Phase\Drawings\EWP\Figure 1 EWP 1350 Jefferson Rd.mxd



300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
elapc.com
ICHT 2003

LaBella
Powered by partnership.

Client:
L3HARRIS TECHNOLOGIES, INC.

Project:
NY/SDC SITE #828069
1350 JEFFERSON ROAD
HENRIETTA, NEW YORK

DESIGN PHASE INVESTIGATION
TESTING LOCATIONS AND
ANTICIPATED LOCATIONS OF
SUBSURFACE DISTURBANCE

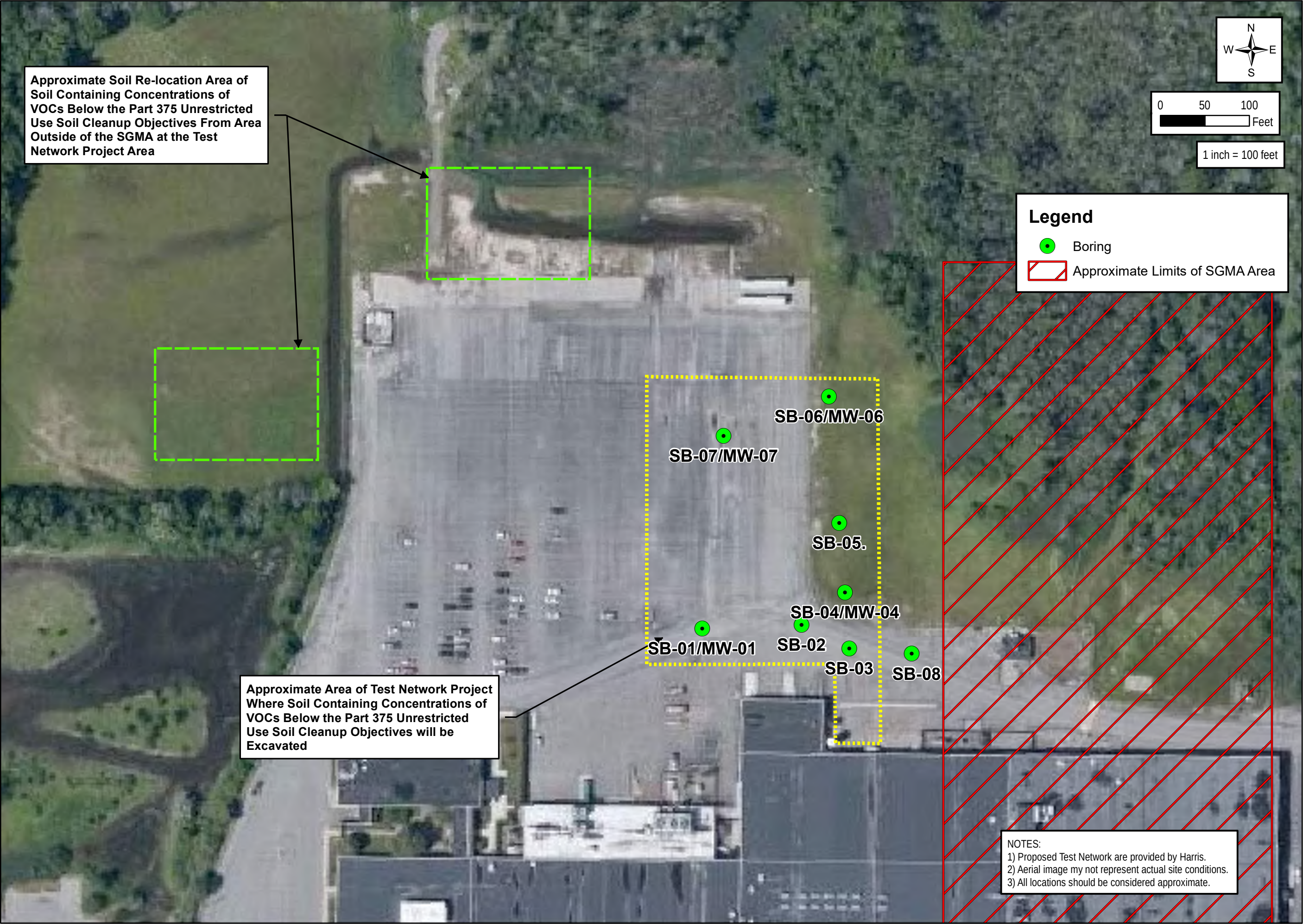
ISSUED FOR: MFP
DRAFT
DATE: 5/14/2020
DESIGNED BY: SMR
DRAWN BY: MM
REVIEWED BY: MM
INTENDED TO PRINT AS: 11" X 17"

PROJECT/DRAWING NUMBER

2200916

FIGURE 1

I:\L3 Harris Technologies\2200916 - 1350 Jefferson Rd Design Phase\Drawings\EWP\Figure 2 EWP 1350 Jefferson Rd.mxd



300 STATE STREET
ROCHESTER, NY 14614
P: (585) 454-6110
F: (585) 454-3066
ellapc.com
ICHT 2003



PROJECT/CLIENT
Client:
L3 HARRIS TECHNOLOGIES, INC.
Project:
NY/SECSITE #828069
1350 JEFFERSON ROAD
HENRIETTA, NEW YORK

DRAWING TITLE
PROPOSED RELOCATION OF EXCAVATED
SOIL CONTAINING CONCENTRATIONS OF
VOC BELOW PART 375 UNRESTRICTED
USE SOIL CLEANUP OBJECTIVES
ISSUED FOR: MFP
DESIGNED BY: MFP
DRAWN BY: SMR
DATE: 5/14/2020
REVIEWED BY: MM
INTENDED TO PRINT AS: 11" X 17"

PROJECT/DRAWING NUMBER
[2200916]
[FIGURE 2]



ATTACHMENT A

CHANGE IN USE

**60-Day Advance Notification of Site Change of Use, Transfer of
Certificate of Completion, and/or Ownership**

Required by 6NYCRR Part 375-1.11(d) and 375-1.9(f)

To be submitted at least 60 days prior to change of use to:

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation, 625 Broadway
Albany NY 12233-7020

I. Site Name: Former Xerox Building 801 **DEC Site ID No.** 28069

II. Contact Information of Person Submitting Notification:

Name: Jason Scott
Address1: Harris Global Communications, Inc (subsidiary of L3Harris Technologies, Inc)
Address2: 1350 Jefferson Road, Henrietta, NY 14624
Phone: 585-242-4612 E-mail: Jason.D.Scott@L3Harris.com

III. Type of Change and Date: Indicate the Type of Change(s) (check all that apply):

- ☐ Change in Ownership or Change in Remedial Party(ies)
☐ Transfer of Certificate of Completion (CoC)
☒ Other (e.g., any physical alteration or other change of use)

Proposed Date of Change (mm/dd/yyyy): 7/15/2020

Plan to begin work
immediately upon approval -
preferential start date being
6/15/2020

IV. Description: Describe proposed change(s) indicated above and attach maps, drawings, and/or parcel information.

The exterior portion of the site is anticipated to be improved with an satellite tower, concrete main test pad, remote test pad/shelter, antenna and underground utilities to support the project (see figure 1 attached).

If "Other," the description must explain and advise the Department how such change may or may not affect the site's proposed, ongoing, or completed remedial program (attach additional sheets if needed).

Subsurface excavations (i.e. greater than 1ft) are anticipated for underground utility trenches and the satellite tower that are located outside of the Soil and Groundwater Management Area. Minor excavations may occur within the Soil and Groundwater Management Area for the antenna location that will be about 2ft in depth.

V. Certification Statement: Where the change of use results in a change in ownership or in responsibility for the proposed, ongoing, or completed remedial program for the site, the following certification must be completed (by owner or designated representative; see §375-1.11(d)(3)(i)):

Not
Applicable

I hereby certify that the prospective purchaser and/or remedial party has been provided a copy of any order, agreement, Site Management Plan, or State Assistance Contract regarding the Site's remedial program as well as a copy of all approved remedial work plans and reports.

Name: _____
(Signature)

(Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

VI. Contact Information for New Owner, Remedial Party, or CoC Holder: If the site will be sold or there will be a new remedial party, identify the prospective owner(s) or party(ies) along with contact information. If the site is subject to an Environmental Easement, Deed Restriction, or Site Management Plan requiring periodic certification of institutional controls/engineering controls (IC/ECs), indicate who will be the certifying party (attach additional sheets if needed).

Not
Applicable

☐ Prospective Owner ☐ Prospective Remedial Party ☐ Prospective Owner Representative

Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Certifying Party Name: _____

Address1: _____

Address2: _____

Phone: _____ E-mail: _____

Not
Applicable

VII. Agreement to Notify DEC after Transfer: If Section VI applies, and all or part of the site will be sold, a letter to notify the DEC of the completion of the transfer must be provided. If the current owner is also the holder of the CoC for the site, the CoC should be transferred to the new owner using DEC's form found at <http://www.dec.ny.gov/chemical/54736.html>. This form has its own filing requirements (see 6NYCRR Part 375-1.9(f)).

Signing below indicates that these notices will be provided to the DEC within the specified time frames. If the sale of the site also includes the transfer of a CoC, the DEC agrees to accept the notice given in VII.3 below in satisfaction of the notice required by VII.1 below (which normally must be submitted within 15 days of the sale of the site).

Within 30 days of the sale of the site, I agree to submit to the DEC:

1. the name and contact information for the new owner(s) (see §375-1.11(d)(3)(ii));
2. the name and contact information for any owner representative; and
3. a notice of transfer using the DEC's form found at <http://www.dec.ny.gov/chemical/54736.html> (see §375-1.9(f)).

Name: _____
(Signature)

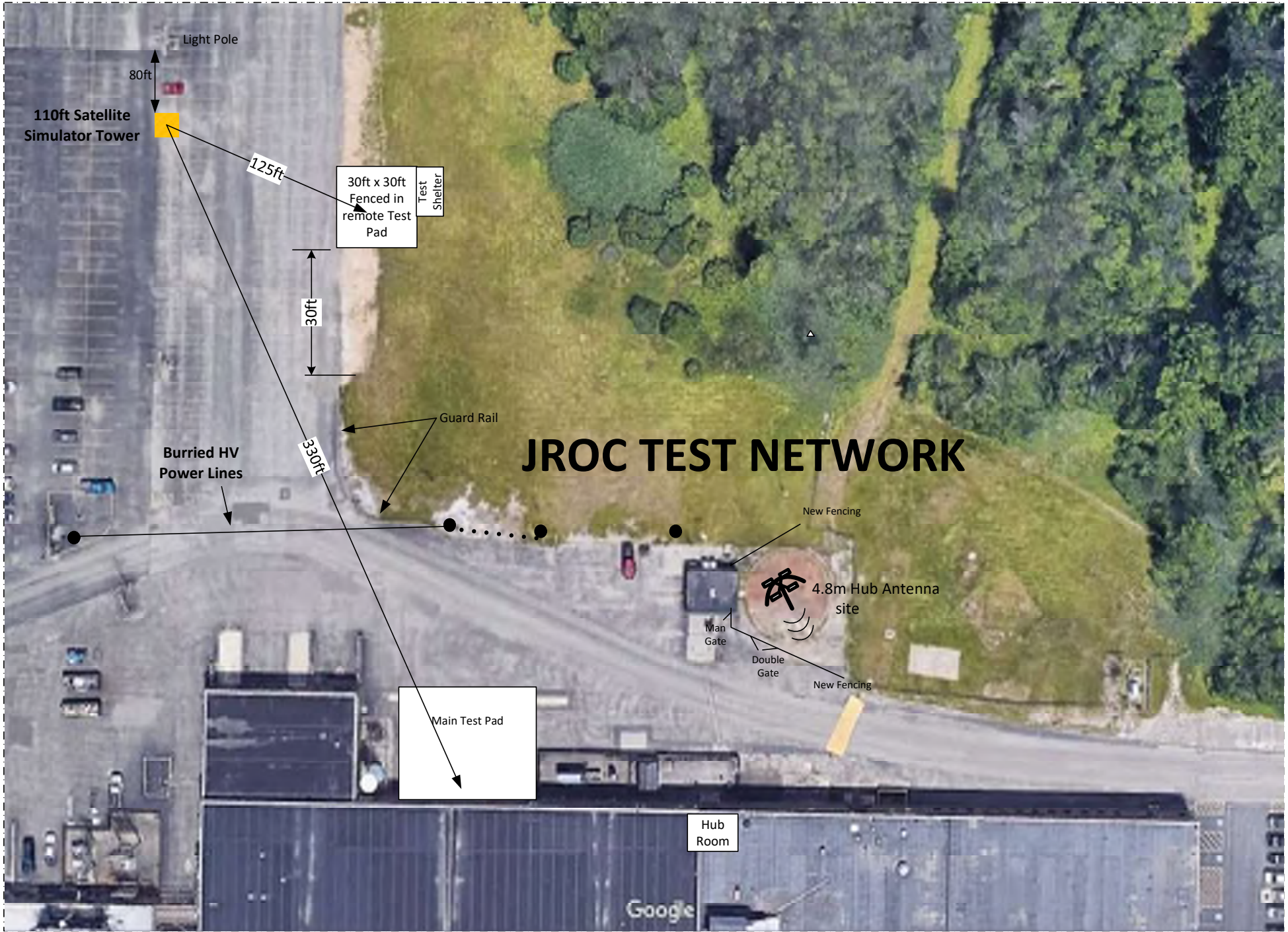
(Date)

(Print Name)

Address1: _____

Address2: _____

Phone: _____ E-mail: _____





ATTACHMENT B

DESIGN PHASE INVESTIGATION REPORT

Design Phase Investigation Report

Location:

1350 Jefferson Road
Rochester, New York

Prepared for:

Mr. Jason Scott
L3 Harris Technologies, Inc.
1350 Jefferson Road
Henrietta, New York 14624

LaBella Project No. 2200916

April 8, 2020
Revised April 29, 2020



Table of Contents

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Figures Figure 1 – Testing Locations

Appendix 1 Field Logs

Appendix 2 Laboratory Report



1.0 INTRODUCTION

LaBella Associates, D.P.C. (“LaBella”) was retained by L3 Harris Technologies, Inc. to conduct a Design Phase Investigation (DPI) at the property located at 1350 Jefferson Road, Town of Henrietta, Monroe County, New York.

1.1 Limitations & Exceptions

Work associated with this DPI was performed in accordance with generally accepted environmental engineering and environmental contracting practices for this region. LaBella Associates, D.P.C., makes no other warranty or representation, either expressed or implied, nor is one intended to be included as part of its services, proposals, contracts or reports.

In addition, LaBella cannot provide guarantees, certifications or warranties that the property is or is not free of environmental impairment or other regulated solid wastes. The Client shall be aware that the data and representative samples from any given soil sampling point or monitoring well may represent conditions that apply only at that particular location, and such conditions may not necessarily apply to the general Site as a whole.

2.0 BACKGROUND

Xerox Corporation refurbished photocopier machines at the Site between 1972 and 1978. The machine parts were cleaned in the northeast corner of the building using chlorinated solvent blends and/or detergent washes. In 1986, Xerox Corporation initiated investigative activities to evaluate environmental conditions as they related to former copier refurbishing operations. Solvent contamination was identified in a surface water drainage feature to the north of the facility as well as in the soil, sediment, and groundwater beneath portions of the site. Xerox subsequently entered into an Order on Consent with the NYSDEC in February 1990 to conduct a Remedial Investigation/Feasibility Study and Interim Remedial Measure. The site is listed as a New York State (NYS) Inactive Hazardous Waste Disposal Site Program Site #828069.

The site compounds of concern (COCs) include methylene chloride, 1,1-dichloroethene (1,1- DCE), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-dichloroethane (1,2-DCA), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride (VC), and mineral spirits. The majority of the soil contamination occurs in the upper 8 to 12 feet of soils. These COCs are generally present at the northwest corner of the building and to the north in an area identified as the Soil and Groundwater Management Area (SGMA).

L3 Harris Technologies, Inc. (L3 Harris) plans to construct/install an antenna tower, concrete main test pad, remote test pad shelter, and antenna. These new structures will also require some trenching activities and due to shallow groundwater conditions, there may also be a need for dewatering during construction. One of the possible antenna locations is within the SGMA and the remaining locations are outside and adjacent to the SGMA. In addition, the depth of excavation for the construction of the concrete main test pad is proposed to be constructed in an area of current asphalt pavement with associated sub-base and this feature is not anticipated to extend deeper than the gravel sub-base. The proposed improvements are provided on Figure 1.



In accordance with the Site Management Plan (SMP), excavations conducted outside of the SGMA should be performed with the consideration of the contaminants known to exist on Site. As such, L3Harris requested that soil and groundwater sampling be conducted at the locations outside of the SGMA to identify whether the known Site contaminants may be present in the soil and/or groundwater that will require proper management in accordance with the SMP (if necessary) and other regulatory requirements.

3.0 SCOPE OF WORK

To achieve the project objectives the following Scope of Work was performed:

1. Prior to the initiation of subsurface work, an underground utility stake-out, via *Dig Safely New York*, was completed at the site to locate utilities in the areas where the subsurface assessment would take place. In addition, a private utility location firm (On the Mark Locating) was retained to mark out underground utilities within the work area.
2. A direct push soil boring and sampling program of the overburden at the site was implemented. Soil borings were advanced with a track-mounted Geoprobe® Systems Model 6610DT direct-push sampling system. The use of direct-push technology allows for rapid sampling, observation, and characterization of overburden soils. The Geoprobe utilizes a 5-foot (ft) MacroCore® sampler with disposable polyethylene sleeves. Soil cores are retrieved in 5 ft sections and are cut from the polyethylene sleeves for observation and sampling. The MacroCore® sampler was decontaminated between boring locations using an alconox and potable water solution. A total of seven (7) soil borings were advanced at the site to depths ranging from approximately 10 or 25 ft below ground surface (bgs). Soil boring locations were based on the proposed construction/excavation areas and are depicted on Figure 1. One boring (i.e. SB-08) was completed as part of the geotechnical evaluation only and was not part of the environmental DPI.
3. Soils from the borings were continuously assessed for visible impairment, olfactory indications of impairment, and/or indication of detectable volatile organic compounds (VOCs) with a photo-ionization detector (PID). Positive indications from any of these screening methods are collectively referred to as “evidence of impairment.”
4. Four (4) soil borings were converted to temporary overburden groundwater monitoring wells. Each well was completed with 5 or 10 ft of 0.010-inch slot well screen connected to an appropriate length of solid PVC well riser to complete the well. The annulus was sand packed with quartz sand to a nominal depth of 2-ft above the screen section and a bentonite seal was placed to the surface. The wells were decommissioned after sampling.
5. After the initial sampling of MW-01, L3 Harris requested that an additional sample be collected and analyzed from well MW-01 to confirm the detections of VOCs in the initial sample. At the time of the resampling event, well MW-01 had been decommissioned, as such, well MW-01B was installed approximately 5 ft from well MW-01 and sampled.
6. Soil and groundwater samples were placed in a cooler on ice and sent under standard chain of custody procedures to Alpha Analytical in Westborough, MA.



4.0 DESIGN PHASE INVESTIGATION FIELDWORK

4.1 Direct-Push Soil Borings

Seven (7) soil borings were advanced at the Site on March 11, 2020, designated SB-01 through SB-07. Terminal depths of the borings ranged from approximately 10 to 25 ft bgs. Soil Boring Logs are included in Appendix 1. All borings were filled with a standard grout mixture (i.e. approximately 94 pounds of cement, 3.9 pounds of bentonite, and 7.8 gallons of water) upon completion. All soil was placed in 55-gallon drums and staged on-site pending characterization.

All soil cores were continuously assessed by a LaBella Environmental Geologist for soil type and evidence of impairment. Elevated PID readings (i.e., greater than 5 parts per million (ppm)) were not observed in any of the borings completed at the site. Refer to Section 4.2 for additional information regarding field screening results.

Soil beneath the asphalt or topsoil layer consists generally of alluvial deposits of loose to medium dense silty Gravelly SAND to depths of approximately 2 to 3 ft bgs. Underneath the alluvial deposits are glaciolucustrian deposits consisting of clayey-Silty SAND, sandy silty-CLAY, sandy SILT and CLAY, silty SAND, or gravelly silty-Clay and SAND. Beneath the glaciolucustrian deposits at boring SB-07 is glacial till consisting of gravelly Silty SAND with a medium dense to very dense relative density.

4.2 Field Screening Results

The table below summarizes PID readings obtained at various depth intervals from the soil borings:

Test Boring/Well Summary and Soil PID Readings

Test Boring ID	Location	Stains, Odors, or Fill Material Observed	Well Number	Sample Interval (ft bgs)				
				0-5	5-10	10-15	15-20	20-25
SB-01	Underground Utility	No	MW-01	3.1*	0.0	--	--	--
SB-02	Underground Utility	No	--	2.8*	0.0	--	--	--
SB-03	Underground Utility	No	--	1.7	0.0*	--	--	--
SB-04	Underground Utility	No	MW-04	0.0	0.0*	--	--	--
SB-05	Underground Utility	No	--	0.0*	0.0	--	--	--
SB-06	Alternate Antenna Location	No	MW-06	0.0	0.0*	0.0	0.0	0.0
SB-07	Satellite Tower	No	MW-07	0.0	0.0*	0.0	0.0	0.0

Notes:

1. All PID readings were collected utilizing a Minirae 3000 photoionization detector and are expressed in parts per million.
2. The PID screening is performed as a method of determining general presence of VOCs in soil, and to provide a basis for selecting samples for laboratory analysis. The readings obtained provide only an indication of the relative levels of VOC presence in the soil, and are not considered to be a direct quantization of actual soil VOC concentration.



3. "--" denotes boring not completed to above-listed depth or insufficient recovery occurred at specified depth.
4. "**" denotes a soil sample was submitted for laboratory analysis from this interval.

4.3 Groundwater Monitoring Well Installation and Sampling

Five (5) temporary overburden groundwater monitoring wells (designated as MW-01 through MW-04 and MW-01B) were installed as part of the DPI. The wells were completed with 5 or 10-ft of 0.01-inch slotted screen below PVC risers. The annulus surrounding the wells were filled with quartz sand to approximately 2 ft above the well screen followed by granular bentonite to the ground surface.

Approximately three (3) well volumes were purged from each well prior to sampling. All purge water was placed in a 55-gallon drum and stored on-site pending characterization and disposal by L3Harris. Prior to sampling the static water level (SWL) from each well was measured to the nearest 0.01 ft to confirm the wells recharged prior to sampling.

Groundwater purge rates were set to a flow rate to limit drawdown of the water table so it remained within close proximity to the initial static water level depth, as practicable. During purging activities, groundwater passed through a flow through cell equipped with a water quality meter that measured parameters that include pH, temperature, conductivity, turbidity, dissolved oxygen (DO), and oxidation-reduction potential (ORP). After passing through the cell, the water was discharged and temporarily contained in 5-gallon buckets. During sampling, the following parameters were measured and recorded at five (5) minute intervals from the wells.

- Temperature (+/- 3%)
- pH (+/- 0.1 unit)
- Dissolved oxygen (+/- 10%)
- Specific conductance (+/- 3%)
- Oxidation reduction potential (+/- 10 millivolts)
- Turbidity (+/- 10% or <50 NTU for metals is possible)

Groundwater sampling commenced once the groundwater quality indicator parameters stabilized for at least three consecutive readings for the above parameters or after 1 hour of purging. All wells were decommissioned with grout subsequent to sampling.

Groundwater monitoring well construction and sample logs are included in Appendix 1.

4.4 Laboratory Analytical Results

LaBella submitted for the following soil and groundwater samples for laboratory analysis.



Summary of Laboratory Analysis

Sample ID	Boring Location	Sample Matrix	Sample Depth or Screened Interval (ft bgs)	Laboratory Analyses
S-01	SB-01	Soil	2-3	VOCs
S-02	SB-02	Soil	3-4	VOCs
S-03	SB-03	Soil	8-9	VOCs
S-04	SB-04	Soil	5-6	VOCs
S-05	SB-05	Soil	2-3	VOCs
S-06	SB-06	Soil	5-6	VOCs
S-07	SB-07	Soil	7-8	VOCs
MW-01	SB-01	Groundwater	5-10	VOCs
MW-04	SB-04	Groundwater	5-10	VOCs
MW-06	SB-06	Groundwater	15-25	VOCs
MW-07	SB-07	Groundwater	15-25	VOCs
MW-01B	SB-01	Groundwater	5-10	VOCs

Notes:

- VOCs denotes United States Environmental Protection Agency (USEPA) Target Compound List (TCL) VOCs analyzed using USEPA Method 8260

The soil results have been compared to the 6 NYCRR Part 375-6.8(a) Unrestricted Use Soil Cleanup Objectives (SCOs). Groundwater results were compared to the 6 NYCRR Part 703 Groundwater Standards. The soil and groundwater results are summarized on the following attached tables:

- Table 1 – Soil Sample Results
- Table 2 – Groundwater Sample Results

The laboratory reports are included as Appendix 2.

4.4.1 Soil Sample Results

VOCs:

VOCs were not detected at concentrations above the NYSDEC Unrestricted Use SCOs, except for acetone in samples S-05 and S-06. Please note the VOC acetone is a common lab contaminant and these detections may not represent actual site conditions.

Petroleum related VOCs were detected at low concentrations in soil samples S-01 and S-06 that were collected from borings SB-01 and SB-06, respectively.

4.4.2 Groundwater Sample Results

VOCs:

Petroleum and chemical related VOCs were only detected in one (MW-01) of the four groundwater samples above the 6 NYCRR Part 703 Groundwater Standards. The remaining three groundwater samples only detected acetone at concentrations above the laboratory method detection limit, but below the groundwater standards. Acetone is a common lab contaminant and these detections may not represent actual site conditions.



To confirm the detections of chemical related VOCs in well MW-01, well MW-01B (that was installed approximately 5 ft from well MW-01) was sampled. Chemical related VOCs were detected at concentrations above the groundwater standards in the sample collected from well MW-01B. The groundwater sample results from well MW-01B are similar in concentrations to the sample collected from well MW-01.

5.0 CONCLUSIONS

Based on the results of the DPI, the following conclusions have been made:

- VOCs were not detected at concentrations above the NYSDEC Unrestricted Use SCOs, except for acetone in samples S-05 and S-06. Chlorinated VOCs are the primary contaminant of concern within the SGMA area, and were not detected in the soil samples analyzed from the site. The site compounds of concern (COCs) include methylene chloride, 1,1-dichloroethene (1,1- DCE), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-dichloroethane (1,2-DCA), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride (VC), and mineral spirits.
- Petroleum and chemical related VOCs were only detected in one (MW-01) of the four groundwater samples above the 6 NYCRR Part 703 Groundwater Standards. Well MW-01 is located at a proposed underground utility trench and was the furthest location from the boundary of the SGMA. To confirm the detections of chemical related VOCs in well MW-01, well MW-01B (that was installed approximately 5 ft from well MW-01) was sampled. The groundwater sample results from well MW-01B are similar in concentrations to the sample collected from well MW-01.

As noted above, acetone was detected in some of the groundwater samples. Acetone is a known laboratory contaminant and these detections may not represent actual site conditions. However, it should be noted that acetone was detected in recent groundwater samples collected by Xerox during a recent monitoring event.

Low level VOCs are present at borings SB-01 (area of proposed utility trench) and SB-06 (alternative antenna location). These concentration are well below the NYSDEC Restricted Use Commercial SCOs, as such, in accordance with Section 2.4.4.1 of the Site Management Plan, it appears the soil with concentrations below the Restricted Use Commercial SCOs can remain on-site in accordance with the Site Management Plan (SMP). Alternatively, the soil can be disposed off-site at a hazardous or non-hazardous landfill.

Any water removed from the excavations should be placed into a holding tank pending characterization and disposal. Disposal of excavation water is discussed in further detail below.

All future construction work should be conducted in accordance with the SMP and an Excavation Work Plan as discussed in Section 6.0 below.



6.0 PLANNING ACTIVITIES

6.1 Site Regulatory Requirements and Permits

Notifications

It is recommended that the 60-day Change In Use notification be completed as a first step, as some of the NYSDEC requirements may have cost implications to the project. This will allow L3 Harris to best understand what environmental related costs the project may incur.

A 60 day Change in Use notification is required by 6NYCRR Part 375-1.11(d) and 375-1.9(f) to inform the NYSDEC of any physical alterations; or any activity that is likely to disturb or expose hazardous waste; or that may interfere with the site's remedial program. This notification should be made to:

Chief, Site Control Section New York State Department of Environmental Conservation Division of Environmental Remediation 625 Broadway Albany, NY 12233-7020	Mr. Todd Caffoe New York State Department of Environmental Conservation – Region 8 6274 East Avon-Lima Road Avon, New York 14414 (585) 226-2466

As part of the 60 Change In Use notification, the SMP indicates an Excavation Work Plan (EWP) will accompany this notification that includes the following, as applicable:

- A detailed description of the work to be performed, including the location and areal extent, plans for site work,
- A summary of environmental conditions anticipated in the work areas, including the nature and concentration levels of contaminants of concern, potential presence of grossly contaminated media, and plans for any pre-construction sampling,
- Proper disposal of contaminated soils,
- Proper management of groundwater from dewatering of excavations,
- Stormwater management,
- Demarcation layers to denote excavation limits, if applicable,
- Decontamination of field equipment including but not limited to excavators, trucks and drill rigs,
- A schedule for the work, detailing the start and completion of all intrusive work,
- A statement that the work will be performed in compliance with this excavation plan and 29 CFR 1910.120,
- A copy of the health and safety plan developed for the planned activity that incorporates worker and community health and safety monitoring,
- Identification of disposition facilities, permits, approvals for potential waste streams generated as part of the excavation activity,
- Identification of sources of any anticipated backfill, along with any required certifications or chemical testing results.



Note the EWP is typically a 15-day notification, however, Section 2.4.3 of the SMP indicates this information should be included as part of the 60 day Change In Use notification. In addition, the following sections (6.2, 6.3, and 6.4) provide additional detail regarding key items included in the EWP that can affect the construction project if not properly planned for.

Environmental Related Permits

Potential environmental related permits for the project include the following:

- **Short Term Sewer Use Permit** – This permit would be required by Monroe County Pure Waters (MCPW) to discharge project related water removed from site excavations into the sanitary sewer system for discharges approximately 100,000 gallons or less. Typical protocol would be to remove water within excavations into a holding tank. MCPW would then require a representative sample be collected from the holding tank and analyzed for chemicals of concern as required by the permit. MCPW would review of the sample results prior to discharge into the sanitary sewer. A permit fee of \$125 is required by MCPW. As part of the approval process, the Town of Henrietta (Chris Martin 585-359-7056) will require approval of the discharge location, use of the sewer system, and discharge limitations.

6.2 Summary of Soil Reuse Requirements

Outside of SGMA

Excavated site soils can be returned to their original area of excavation if concentrations are less than the Restricted Use SCOs for Commercial site or can be returned to the original excavation provided that excavation is then covered with a demarcation layer and at least 1 foot of clean backfill from an approved source, pavement, or other approved cover system. Alternatively, excess soils that do not meet applicable SCOs will be required to be disposed of offsite.

The testing results of the DPI indicate that soils within the project area appear contain concentrations of chemical of concerns less than the NYSDEC Unrestricted Use SCOs. Based on this, the NYSDEC may approve placement of excess soil at an alternate on-site location other than within the excavation it was removed from. As a potential cost saving, it is recommended that the NYSDEC be contacted to discuss reuse options of soil from outside of the SGMA.

Within the SGMA

Excess soils excavated from the SGMA that cannot be managed within the SGMA and that exceed the Restricted Use SCOs for Commercial site shall be containerized in an acceptable hazardous waste container(s) and characterized for offsite disposal at an appropriate NYSDEC-licensed disposal facility, within 90 days of generation. All site-related solvent contaminated soils are considered F-coded hazardous wastes. A “Contained-In” demonstration pursuant to the Division of Solid Hazardous Materials TAGM 3028 must be conducted for soils to be disposed of as non-hazardous. At this time it has not been determined if any work will be conducted with the SGMA. Preliminary discussions indicated if any work is conducted within the SGMA for a possible antenna location, the generation soil may be limited to approximately one 55-gallon drum if a screw pile foundations system is used.



6.3 Summary of Imported Materials Requirements

A NYSDEC Request to Reuse/Import Fill or Soil form will be completed and provided to the NYSDEC for approval prior to importation and placement of all imported backfill material.

Soils brought to the site for filling and grading purposes shall be from an acceptable borrow source, free of industrial and/or other potential sources of chemical contamination. Sampling data must be provided from all sources, including NYSDOT-approved borrow sources. Analytical testing of backfill materials imported to the site shall consist of the following list below unless a site-specific exemption is granted by the NYSDEC based on documentation of the origin and composition of the proposed backfill.

- EPA Method 8260 (Target Compound List VOCs)
- EPA Method 8270 (Target Compound List SVOCs)
- EPA Method 6010 (Target Analyte List metals)
- EPA Method 8082 & 8081 (PCBs & Pesticides)

Samples shall be collected at a frequency of one sample per 1,000 cubic yards of proposed imported material.

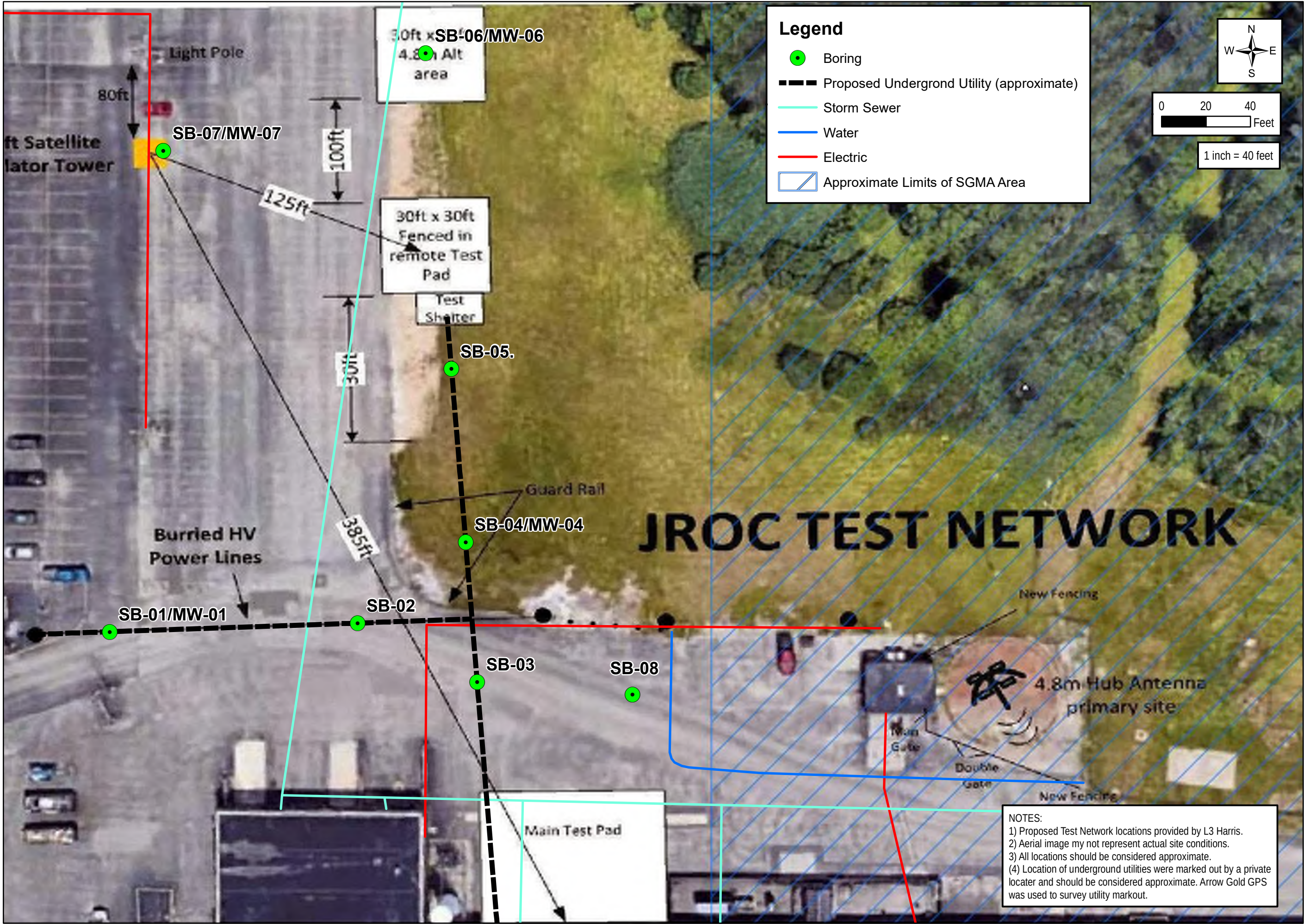
6.4 Worker Training - 29 CFR 1910.120

All parties working at the site are aware of and have been provided a copy of the SMP and the requirements of 29 CFR 1910.120. All work will be completed in accordance with these requirements.



FIGURE

I:\L3 Harris Technologies\2200916 - 1350 Jefferson Rd Design Phase\Drawings\Figure 1 1350 Jefferson Rd.mxd



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PROJECT/CLIENT
Client:
L3 HARRIS TECHNOLOGIES, INC.

Project:
NY/SDC SITE #828069
1350 JEFFERSON ROAD
HENRIETTA, NEW YORK

DRAWING TITLE
TESTING LOCATIONS AND
UNDERGROUND
PRIVATE UTILITY MARKOUT

ISSUED FOR	DRAFT	DESIGNED BY	MFP	DATE	3/25/2020
		DRAWN BY	SMR		
		REVIEWED BY	NM		

INTENDED TO PRINT AS: 11" X 17"

PROJECT/DRAWING NUMBER

2200916

FIGURE 1



TABLES

Table 1
Soil Sample Analytical Results
1350 Jefferson Road, Henrietta, NY
Volatile Organic Compounds in Soil
LaBella Project #2200916



LOCATION	Units	6NYCRR Part 375 Restricted Use Soil Cleanup Objectives for a Commercial Site	6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives	S-01 2'-3'	S-02 3'-4'	S-03 8'-9'	S-04 5'-6'	S-05 2'-3'	S-06 5'-6'	S-07 7'-8'
SAMPLING DATE				3/11/2020	3/11/2020	3/11/2020	3/11/2020	3/11/2020	3/11/2020	3/11/2020
LAB SAMPLE ID				L2011484-01	L2011484-02	L2011484-03	L2011484-04	L2011484-05	L2011484-06	L2011484-07
SAMPLE TYPE				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
SAMPLE DEPTH (ft.)				2'-3'	3'-4'	8'-9'	5'-6'	2'-3'	5'-6'	7'-8'
Methylene chloride	mg/kg	500	0.05	0.0042 U	0.0046 U	0.0045 U	0.0057 U	0.005 U	0.0073 U	0.0051 U
1,1-Dichloroethane	mg/kg	240	0.27	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Chloroform	mg/kg	350	0.37	0.0012 U	0.0014 U	0.0013 U	0.0017 U	0.0015 U	0.0022 U	0.0015 U
Carbon tetrachloride	mg/kg	22	0.76	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
1,2-Dichloropropane	mg/kg	NL	NL	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Dibromochloromethane	mg/kg	NL	NL	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
1,1,2-Trichloroethane	mg/kg	NL	NL	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Tetrachloroethene	mg/kg	150	1.3	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
Chlorobenzene	mg/kg	500	1.1	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
Trichlorofluoromethane	mg/kg	NL	NL	0.0033 U	0.0036 U	0.0036 U	0.0045 U	0.004 U	0.0058 U	0.0041 U
1,2-Dichloroethane	mg/kg	30	0.02	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
1,1,1-Trichloroethane	mg/kg	500	0.68	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
Bromodichloromethane	mg/kg	NL	NL	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
trans-1,3-Dichloropropene	mg/kg	NL	NL	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
cis-1,3-Dichloropropene	mg/kg	NL	NL	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
Bromoform	mg/kg	NL	NL	0.0033 U	0.0036 U	0.0036 U	0.0045 U	0.004 U	0.0058 U	0.0041 U
1,1,2,2-Tetrachloroethane	mg/kg	NL	NL	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
Benzene	mg/kg	44	0.06	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
Toluene	mg/kg	500	0.7	0.024	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0036	0.001 U
Ethylbenzene	mg/kg	390	1	0.0015	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Chloromethane	mg/kg	NL	NL	0.0033 U	0.0036 U	0.0036 U	0.0045 U	0.004 U	0.0058 U	0.0041 U
Bromomethane	mg/kg	NL	NL	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
Vinyl chloride	mg/kg	13	0.02	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Chloroethane	mg/kg	NL	NL	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
1,1-Dichloroethene	mg/kg	500	0.33	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
trans-1,2-Dichloroethene	mg/kg	500	0.19	0.0012 U	0.0014 U	0.0013 U	0.0017 U	0.0015 U	0.0022 U	0.0015 U
Trichloroethene	mg/kg	200	0.47	0.00042 U	0.00046 U	0.00045 U	0.00057 U	0.0005 U	0.00073 U	0.00051 U
1,2-Dichlorobenzene	mg/kg	500	1.1	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
1,3-Dichlorobenzene	mg/kg	280	2.4	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
1,4-Dichlorobenzene	mg/kg	130	1.8	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
Methyl tert butyl ether	mg/kg	500	0.93	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
p/m-Xylene	mg/kg	NL	0.26	0.0065	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
o-Xylene	mg/kg	NL	0.26	0.0026	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
cis-1,2-Dichloroethene	mg/kg	500	0.25	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Styrene	mg/kg	NL	NL	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
Dichlorodifluoromethane	mg/kg	NL	NL	0.0083 U	0.0091 U	0.009 U	0.011 U	0.01 U	0.014 U	0.01 U
Acetone	mg/kg	500	0.05	0.0083 U	0.018	0.009 U	0.011 U	0.12	0.054	0.01 U
Carbon disulfide	mg/kg	NL	NL	0.0083 U	0.0091 U	0.009 U	0.011 U	0.01 U	0.014 U	0.01 U
2-Butanone	mg/kg	500	0.12	0.0083 U	0.0091 U	0.009 U	0.011 U	0.023	0.014 U	0.01 U
4-Methyl-2-pentanone	mg/kg	NL	NL	0.0083 U	0.0091 U	0.009 U	0.011 U	0.01 U	0.014 U	0.01 U
2-Hexanone	mg/kg	NL	NL	0.0083 U	0.0091 U	0.009 U	0.011 U	0.01 U	0.014 U	0.01 U
Bromochloromethane	mg/kg	NL	NL	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
1,2-Dibromoethane	mg/kg	NL	NL	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
1,2-Dibromo-3-chloropropane	mg/kg	NL	NL	0.0025 U	0.0027 U	0.0027 U	0.0034 U	0.003 U	0.0044 U	0.0031 U
Isopropylbenzene	mg/kg	NL	2.3	0.00083 U	0.00091 U	0.0009 U	0.0011 U	0.001 U	0.0014 U	0.001 U
1,2,3-Trichlorobenzene	mg/kg	NL	NL	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
1,2,4-Trichlorobenzene	mg/kg	NL	NL	0.0017 U	0.0018 U	0.0018 U	0.0023 U	0.002 U	0.0029 U	0.002 U
Methyl Acetate	mg/kg	NL	NL	0.0033 U	0.0036 U	0.0036 U	0.0045 U	0.004 U	0.0058 U	0.0041 U
Cyclohexane	mg/kg	NL	NL	0.0083 U	0.0091 U	0.009 U	0.011 U	0.01 U	0.014 U	0.01 U
1,4-Dioxane	mg/kg	130	0.1	0.067 U	0.073 U	0.072 U	0.09 U	0.081 U	0.12 U	0.082 U
Freon-113	mg/kg	NL	NL	0.0033 U	0.0036 U	0.0036 U	0.0045 U	0.004 U	0.0058 U	0.0041 U
Methyl cyclohexane	mg/kg	NL	NL	0.0033 U	0.0036 U	0.0036 U	0.0045 U	0.004 U	0.0058 U	0.0041 U

NL indicates not listed
U indicates not detected above the method detection limit
Bold font indicates the compound was detected at a concentration above its respective Method Detection Limit (MDL)
Red text indicates that the compound was detected at a concentration above its respective NYCRR Part 375 Unrestricted Use SCOs
Acetone is a common laboratory contaminant and the above detections may not represent actual site conditions
mg/kg - milligrams per kilogram

Table 2 (page 1 of 1)
Groundwater Sample Analytical Results
1350 Jefferson Road, Henrietta, NY
Volatile Organic Compounds in Groundwater
LaBella Project #2200916

Sample ID	Units	6NYCRR Part 703 Groundwater Quality Standards	MW-01		MW-01B		MW-04		MW-06		MW-07	
Sample Screened Interval (feet bgs.)			10' - 5'		10' - 5'		10' - 5'		25' - 15'		25' - 15'	
Sample Date			3/11/2020		3/30/2020		3/11/2020		3/11/2020		3/11/2020	
Volatile Organic Compounds			Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier	Result	Qualifier
Methylene chloride	ug/l	5	ND		ND		ND		ND		ND	
1,1-Dichloroethane	ug/l	5	2.8		3.0		ND		ND		ND	
Chloroform	ug/l	7	ND		ND		ND		ND		ND	
Carbon tetrachloride	ug/l	5	ND		ND		ND		ND		ND	
1,2-Dichloropropane	ug/l	1	ND		ND		ND		ND		ND	
Dibromochloromethane	ug/l	NL	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	ug/l	1	ND		ND		ND		ND		ND	
Tetrachloroethene	ug/l	5	6.7		16		ND		ND		ND	
Chlorobenzene	ug/l	5	ND		ND		ND		ND		ND	
Trichlorofluoromethane	ug/l	5	ND		ND		ND		ND		ND	
1,2-Dichloroethane	ug/l	0.6	ND		ND		ND		ND		ND	
1,1,1-Trichloroethane	ug/l	5	ND		ND		ND		ND		ND	
Bromodichloromethane	ug/l	50**	ND		ND		ND		ND		ND	
trans-1,3-Dichloropropene	ug/l	0	ND		ND		ND		ND		ND	
cis-1,3-Dichloropropene	ug/l	0.4	ND		ND		ND		ND		ND	
Bromoform	ug/l	50**	ND		ND		ND		ND		ND	
1,1,1,2-Tetrachloroethane	ug/l	5	ND		ND		ND		ND		ND	
Benzene	ug/l	1	0.76		ND		ND		ND		ND	
Toluene	ug/l	5	36		ND		ND		ND		ND	
Ethylbenzene	ug/l	5	ND		ND		ND		ND		ND	
Chloromethane	ug/l	NL	ND		ND		ND		ND		ND	
Bromomethane	ug/l	5	ND		ND		ND		ND		ND	
Vinyl chloride	ug/l	2	1.8		1.4		ND		ND		ND	
Chloroethane	ug/l	5	ND		ND		ND		ND		ND	
1,1-Dichloroethene	ug/l	5	ND		ND		ND		ND		ND	
trans-1,2-Dichloroethene	ug/l	5	ND		2.1		ND		ND		ND	
Trichloroethene	ug/l	5	8.7		19		ND		ND		ND	
1,2-Dichlorobenzene	ug/l	3	ND		ND		ND		ND		ND	
1,3-Dichlorobenzene	ug/l	3	ND		ND		ND		ND		ND	
1,4-Dichlorobenzene	ug/l	3	ND		ND		ND		ND		ND	
Methyl tert butyl ether	ug/l	10**	ND		ND		ND		ND		ND	
p/m-Xylene	ug/l	5	7.4		ND		ND		ND		ND	
o-Xylene	ug/l	5	3.1		ND		ND		ND		ND	
cis-1,2-Dichloroethene	ug/l	5	7.6		13		ND		ND		ND	
Styrene	ug/l	5	ND		ND		ND		ND		ND	
Dichlorodifluoromethane	ug/l	5	ND		ND		ND		ND		ND	
Acetone	ug/l	50**	46		8.7		10		9.2		8.7	
Carbon disulfide	ug/l	60**	ND		ND		ND		ND		ND	
2-Butanone	ug/l	NL	12		ND		ND		ND		ND	
4-Methyl-2-pentanone	ug/l	NL	6.5		ND		ND		ND		ND	
2-Hexanone	ug/l	50**	ND		ND		ND		ND		ND	
Bromochloromethane	ug/l	NL	ND		ND		ND		ND		ND	
1,2-Dibromoethane	ug/l	NL	ND		ND		ND		ND		ND	
1,2-Dibromo-3-chloropropane	ug/l	0	ND		ND		ND		ND		ND	
Isopropylbenzene	ug/l	5	ND		ND		ND		ND		ND	
1,2,3-Trichlorobenzene	ug/l	NL	ND		ND		ND		ND		ND	
1,2,4-Trichlorobenzene	ug/l	5	ND		ND		ND		ND		ND	
Methyl Acetate	ug/l	NL	ND		ND		ND		ND		ND	
Cyclohexane	ug/l	NL	ND		ND		ND		ND		ND	
1,4-Dioxane	ug/l	NL	ND		ND		ND		ND		ND	
Freon-113	ug/l	NL	ND		ND		ND		ND		ND	
Methyl cyclohexane	ug/l	NL	ND		ND		ND		ND		ND	

NOTES:

ug/l - micrograms per liter

NL indicates not listed

ND indicates not detected above the method detection limit

Bold font indicates the compound was detected at a concentration above its respective Method Detection Limit (MDL)

Yellow highlight indicates that the compound was detected at a concentration above its respective 6 NYCRR Part 703 Groundwater Quality Standard

** indicates no Part 703 Standard, TOGS 1.1.1 Guidance Value is listed

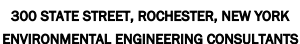
Acetone is a common laboratory contaminant and the above detections may not represent actual site conditions





APPENDIX 1

Field Logs



Client: L3 Harris Technologies, Inc.

BORING:		SB-01	
SHEET	1	OF	1
JOB:		2200916	
CHKD BY:		IWF	

WEATHER:

OTHER:

DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE			
0	S-01 2'-3" 9:00	40"	0.5	ASPHALT	1.0 3.1 0.0 0.0 0.0 0.0 0.0	
1				brown SAND and SA to A GRAVEL fill		
2						
3		3	brown CLAY, trace SR to SA GRAVEL			
4						
5						
6		6	as above, softer and wet			
7		60"				
8						
9						
10		Boring Terminated at 10' BGS				
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

			DEPTH (FT)			NOTES: MW-1 installed, 5' screen, 5' riser
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
DATE	TIME	ELAPSED TIME				
			NA	10'	6'	

SA = Subangular SR = Subround

BORING: SB-01

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS			TEST BORING LOG			BORING: SB-02	
			Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.			SHEET 1 OF 1 JOB: 2200916 CHKD BY: JWF	
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger			BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20			TIME: 910 TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macro Core INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE				
0			0.5	ASPHALT			
1					2.8		
2		36"		brown SAND and GRAVEL, wet yellow stain at 3' BGS	0.0		
3	S-02 3'-4" 9:15				0.0		
4			4		0.0		
5					0.0		
6					0.0		
7		36"		brown clay, little silt, trace SA to SR gravel	0.0		
8					0.0		
9					0.0		
10				Boring Terminated at 10' BGS			
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

			DEPTH (FT)			NOTES:
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
DATE	TIME	ELAPSED TIME				
			NA	10'		

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

3) ABBREVIATIONS:

and = 35 - 50%	C = Coarse	BGS = Below Ground Surface
some = 20 - 35%	M = Medium	NA = Not Applicable
little = 10 - 20%	F = Fine	A = Angular R = Rounded
trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded

BORING:	SB-02

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS			TEST BORING LOG			BORING: SB-03	
			Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.			SHEET 1 OF 1 JOB: 2200916 CHKD BY: JWF	
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger			BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20			TIME: 925 TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push			DRIVE SAMPLER TYPE: Macro Core INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS	
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE				
0		42"	0.5	ASPHALT	1.7		
1				SAND and A GRAVEL fill			
2			2	wet SAND, little SA GRAVEL			0.0
3							0.0
4			4	brown CLAY, some A GRAVEL			0.0
5		48"	5	brown CLAY, trace SA to SR GRAVEL	0.0		
6					0.0		
7					0.0		
8					0.0		
9					0.0		
10			Boring Terminated at 10' BGS				
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

			DEPTH (FT)			NOTES:
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
DATE	TIME	ELAPSED TIME				
			NA	10'		

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

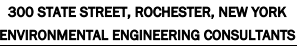
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

3) ABBREVIATIONS:

and = 35 - 50%	C = Coarse	BGS = Below Ground Surface
some = 20 - 35%	M = Medium	NA = Not Applicable
little = 10 - 20%	F = Fine	A = Angular R = Rounded
trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded

BORING:	SB-03

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS				TEST BORING LOG				BORING: SB-04	
				Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.				SHEET 1 OF 1 JOB: 2200916 CHKD BY: JWF	
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger				BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20				TIME: 940 TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Direct Push				DRIVE SAMPLER TYPE: Macro Core INSIDE DIAMETER: ~1.8" OTHER:					
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS			
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE						
0									
1					0.0				
2		42"		marshy top brown CLAY	0.0				
3					0.0				
4					0.0				
5	S-03 8'-9" 9:35		5		0.0				
6					0.0				
7		48"		saturated SILT and CLAY	0.0				
8					0.0				
9			9	brown CLAY, little SR GRAVEL	0.0				
10				Boring Terminated at 10' BGS					
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
				DEPTH (FT)			NOTES: MW-04 installed, 5' screen, 5' riser		
WATER LEVEL DATA				BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED			
DATE	TIME	ELAPSED TIME		NA	10'	5'			
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. 3) ABBREVIATIONS: and = 35 - 50% some = 20 - 35% little = 10 - 20% trace = 1 - 10% C = Coarse M = Medium F = Fine VF = Very Fine BGS = Below Ground Surface NA = Not Applicable A = Angular SA = Subangular R = Rounded SR = Subrounded									
						BORING: SB-04			



Client: L3 Harris Technologies, Inc.

BORING:	SB-05
SHEET	1 OF 1
JOB:	2200916
CHKD BY:	JWF

WEATHER:

OTHER:

DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE			
0	S-05 2'-3' 10:05	30"	1 2 3	marshy CLAY and ORGANICS	0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	
1				brown M SAND		
2				brown CLAY, some A GRAVEL, black staining		
3				brown CLAY		
4		60"	5 6	saturated brown SILT		
5				wet brown CLAY		
6						
7						
8						
9						
10	Boring Terminated at 10' BGS					
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

			DEPTH (FT)			NOTES:
WATER LEVEL DATA			BOTTOM OF	BOTTOM OF	GROUNDWATER	
DATE	TIME	ELAPSED TIME	CASING	BORING	ENCOUNTERED	
			NA	10'	5'	

SR = Subrounded

BORING: SB-05

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS			TEST BORING LOG			BORING: SB-06												
			Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.			SHEET 1 OF 2 JOB: 2200916 CHKD BY: JWF												
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger			BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20			TIME: TO DATUM: NA WEATHER:												
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPING METHOD: Split Spoon			DRIVE SAMPLER TYPE: Split Spoon INSIDE DIAMETER: ~1.8" OTHER:															
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS												
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE															
0				ASPHALT														
1			0.5		0.0													
2				brown SAND and SA to A GRAVEL fill	0.0													
3			2		0.0													
4				brown CLAY, trace SR to SA GRAVEL	0.0													
5	S-06 5'-6" 10:45				0.0													
6			6		0.0													
7					0.0													
8					0.0													
9					0.0													
10					0.0													
11					0.0													
12					0.0													
13				as above, softer and wet	0.0													
14					0.0													
15					0.0													
16					0.0													
17					0.0													
18					0.0													
19					0.0													
20					0.0													
WATER LEVEL DATA DATE TIME ELAPSED TIME			DEPTH (FT) BOTTOM OF CASING BOTTOM OF BORING GROUNDWATER ENCOUNTERED NA 25' 6'			NOTES: MW-6 installed, 10' screen, 15' riser Sampling Conducted via split spoon, stratigraphy not continually sampled												
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. 3) ABBREVIATIONS: <table border="0"> <tr> <td>and = 35 - 50%</td> <td>C = Coarse</td> <td>BGS = Below Ground Surface</td> </tr> <tr> <td>some = 20 - 35%</td> <td>M = Medium</td> <td>NA = Not Applicable</td> </tr> <tr> <td>little = 10 - 20%</td> <td>F = Fine</td> <td>A = Angular R = Rounded</td> </tr> <tr> <td>trace = 1 - 10%</td> <td>VF = Very Fine</td> <td>SA = Subangular SR = Subrounded</td> </tr> </table>							and = 35 - 50%	C = Coarse	BGS = Below Ground Surface	some = 20 - 35%	M = Medium	NA = Not Applicable	little = 10 - 20%	F = Fine	A = Angular R = Rounded	trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded
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trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded																
						BORING: SB-06												

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS				TEST BORING LOG			BORING: SB-06	
				Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.			SHEET 2 OF 2 JOB: 2200916 CHKD BY: JWF	
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger				BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20			TIME: TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPING METHOD: Split Spoon				DRIVE SAMPLER TYPE: Split Spoon INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE					
20				brown CLAY, trace SR to SA GRAVEL, soft and wet				
21					0.0			
22					0.0			
23					0.0			
24					0.0			
25				Boring Terminated at 25' BGS				
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								
WATER LEVEL DATA DATE TIME ELAPSED TIME				DEPTH (FT) BOTTOM OF CASING BOTTOM OF BORING GROUNDWATER ENCOUNTERED		NOTES: MW-6 installed, 10' screen, 15' riser Sampling Conducted via split spoon, stratigraphy not continually sampled		
				NA 25' 6'				
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. 3) ABBREVIATIONS: and = 35 - 50% C = Coarse BGS = Below Ground Surface some = 20 - 35% M = Medium NA = Not Applicable little = 10 - 20% F = Fine A = Angular R = Rounded trace = 1 - 10% VF = Very Fine SA = Subangular SR = Subrounded								
						BORING: SB-06		

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS			TEST BORING LOG			BORING: SB-07												
			Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.			SHEET 1 OF 2 JOB: 2200916 CHKD BY: JWF												
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger			BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20			TIME: TO DATUM: NA WEATHER:												
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Split Spoon			DRIVE SAMPLER TYPE: Split Spoon INSIDE DIAMETER: ~1.8" OTHER:															
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS												
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE															
0			0.5	ASPHALT														
1					0.0													
2				brown SAND and GRAVEL, wet	0.0													
3					0.0													
4			4		0.0													
5					0.0													
6				brown clay, little silt, trace SA to SR gravel	0.0													
7	S-07 7'-8' 10:45				0.0													
8			8		0.0													
9					0.0													
10					0.0													
11					0.0													
12					0.0													
13					0.0													
14				brown CLAY, trace SR to SA GRAVEL, soft and wet	0.0													
15					0.0													
16					0.0													
17					0.0													
18					0.0													
19					0.0													
20					0.0													
			DEPTH (FT)		NOTES: MW-6 installed, 10' screen, 15' riser Sampling Conducted via split spoon, stratigraphy not continually sampled													
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING			GROUNDWATER ENCOUNTERED											
DATE	TIME	ELAPSED TIME																
			NA	25'			8'											
GENERAL NOTES 1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL. 2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE. 3) ABBREVIATIONS: <table border="0" style="width: 100%;"> <tr> <td>and = 35 - 50%</td> <td>C = Coarse</td> <td>BGS = Below Ground Surface</td> </tr> <tr> <td>some = 20 - 35%</td> <td>M = Medium</td> <td>NA = Not Applicable</td> </tr> <tr> <td>little = 10 - 20%</td> <td>F = Fine</td> <td>A = Angular R = Rounded</td> </tr> <tr> <td>trace = 1 - 10%</td> <td>VF = Very Fine</td> <td>SA = Subangular SR = Subrounded</td> </tr> </table>							and = 35 - 50%	C = Coarse	BGS = Below Ground Surface	some = 20 - 35%	M = Medium	NA = Not Applicable	little = 10 - 20%	F = Fine	A = Angular R = Rounded	trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded
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trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded																
					BORING: SB-07													

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS				TEST BORING LOG			BORING: SB-07	
				Soil and Groundwater Investigation NYSDEC Site #858069 1350 Jefferson Road, Henrietta New York Client: L3 Harris Technologies, Inc.			SHEET 2 OF 2 JOB: 2200916 CHKD BY: JWF	
CONTRACTOR: LaBella Environmental, LLC DRILLER: LABELLA REPRESENTATIVE: J. Folger				BORING LOCATION: Henrietta, NY GROUND SURFACE ELEVATION: NA START DATE: 3/11/20 END DATE: 3/11/20			TIME: TO DATUM: NA WEATHER:	
TYPE OF DRILL RIG: Geoprobe® 6610 DT AUGER SIZE AND TYPE: NA OVERBURDEN SAMPING METHOD: Split Spoon				DRIVE SAMPLER TYPE: Split Spoon INSIDE DIAMETER: ~1.8" OTHER:				
DEPTH (FT)	SAMPLE DATA			VISUAL MATERIALS CLASSIFICATION	PID FIELD SCREEN (PPM)	REMARKS		
	SAMPLE NO. AND DEPTH	SAMPLE RUN/RECOVERY	STRATA CHANGE					
20				brown CLAY, trace SR to SA GRAVEL, soft and wet				
21					0.0			
22					0.0			
23					0.0			
24					0.0			
25				Boring Terminated at 25' BGS				
26								
27								
28								
29								
30								
31								
32								
33								
34								
35								
36								
37								
38								
39								
40								

			DEPTH (FT)			NOTES: MW-6 installed, 10' screen, 15' riser Sampling Conducted via split spoon, stratigraphy not continually sampled
WATER LEVEL DATA			BOTTOM OF CASING	BOTTOM OF BORING	GROUNDWATER ENCOUNTERED	
DATE	TIME	ELAPSED TIME				
			NA	25'	8'	

GENERAL NOTES

1) STRATIFICATION LINES REPRESENT APPROXIMATE BOUNDARY BETWEEN SOIL TYPES, TRANSITIONS MAY BE GRADUAL.

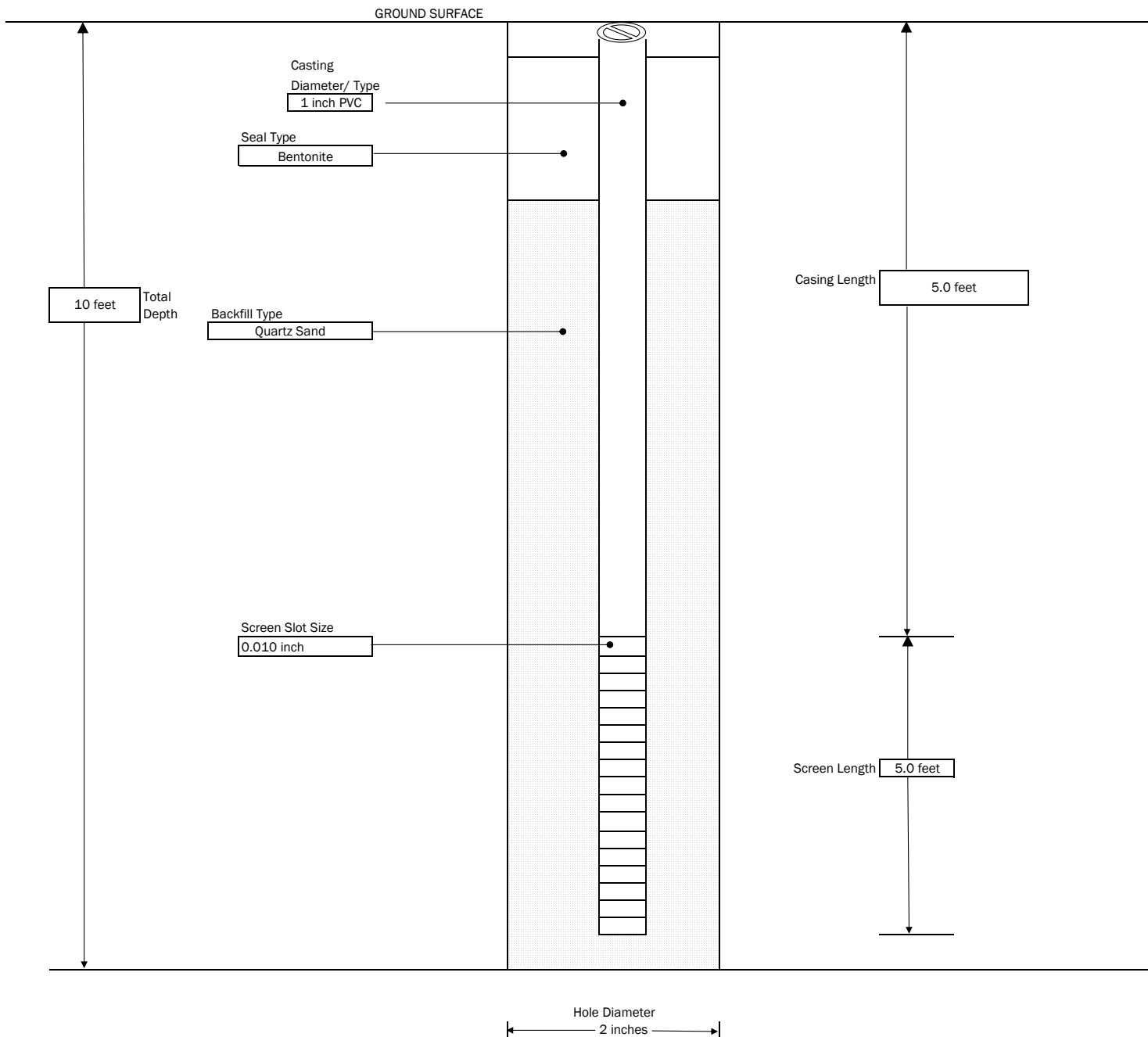
2) WATER LEVEL READINGS HAVE BEEN MADE AT TIMES AND UNDER CONDITIONS STATED, FLUCTUATIONS OF GROUNDWATER MAY OCCUR DUE TO OTHER FACTORS THAN THOSE PRESENT AT THE TIME MEASUREMENTS WERE MADE.

3) ABBREVIATIONS:

and = 35 - 50%	C = Coarse	BGS = Below Ground Surface
some = 20 - 35%	M = Medium	NA = Not Applicable
little = 10 - 20%	F = Fine	A = Angular R = Rounded
trace = 1 - 10%	VF = Very Fine	SA = Subangular SR = Subrounded

BORING: SB-07

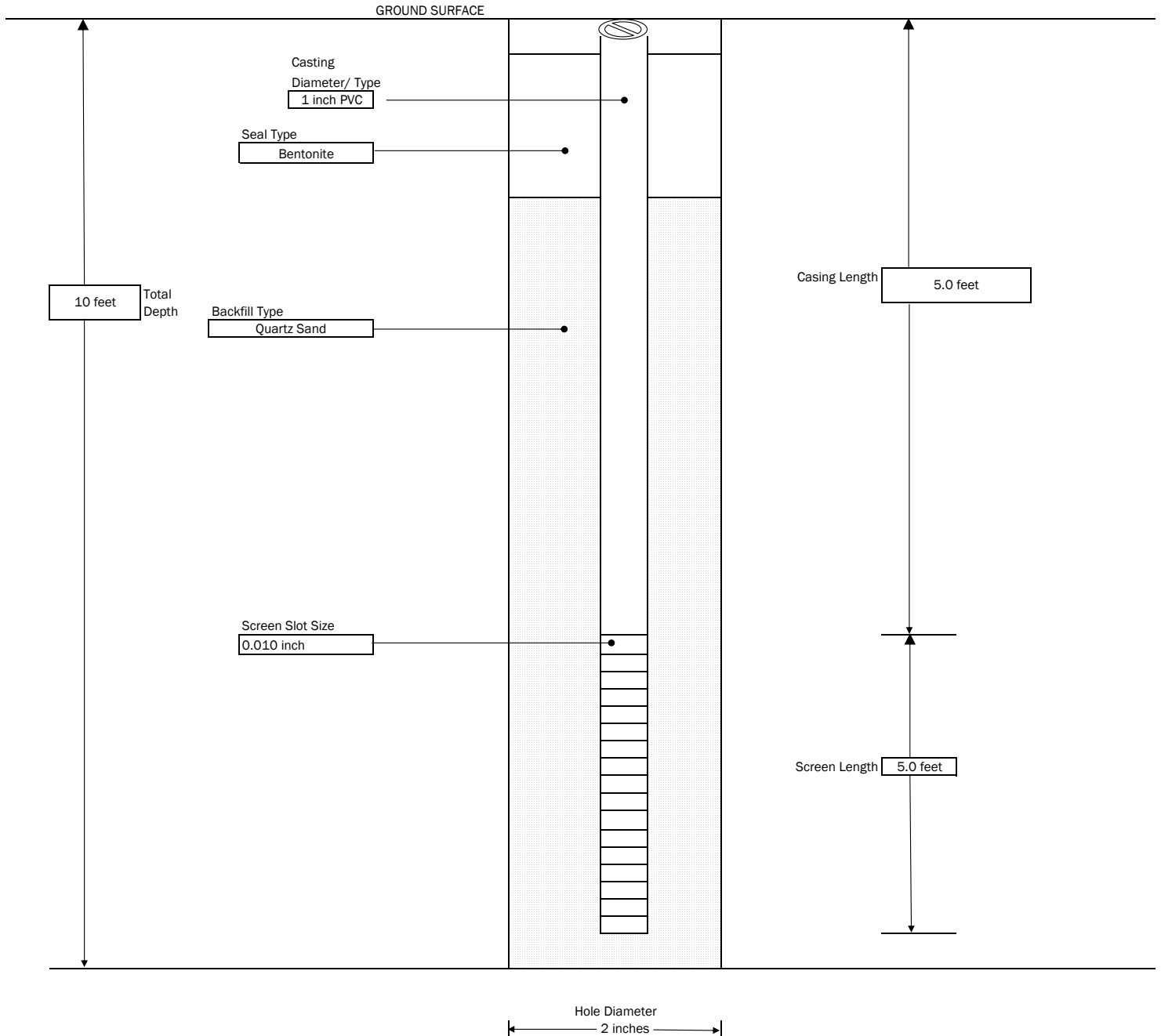
 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Phase II ESA 1350 Jefferson Road, Henrietta, NY	MONITORING WELL : MW-01 SHEET 1 OF 1 JOB # 2200916
CONTRACTOR: LaBella Environmental LLC DRILLER: A. Bement LABELLA REPRESENTATIVE: J. Folger	BORING LOCATION: SB-01 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 3/12/2020 END DATE: 3/12/2020	TYPE OF DRILL RIG: Geoprobe 6610 AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Macrocore



GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE
- 3) WELL REMOVED IMMEDIATELY FOLLOWING SAMPLING ON 2/19/2019

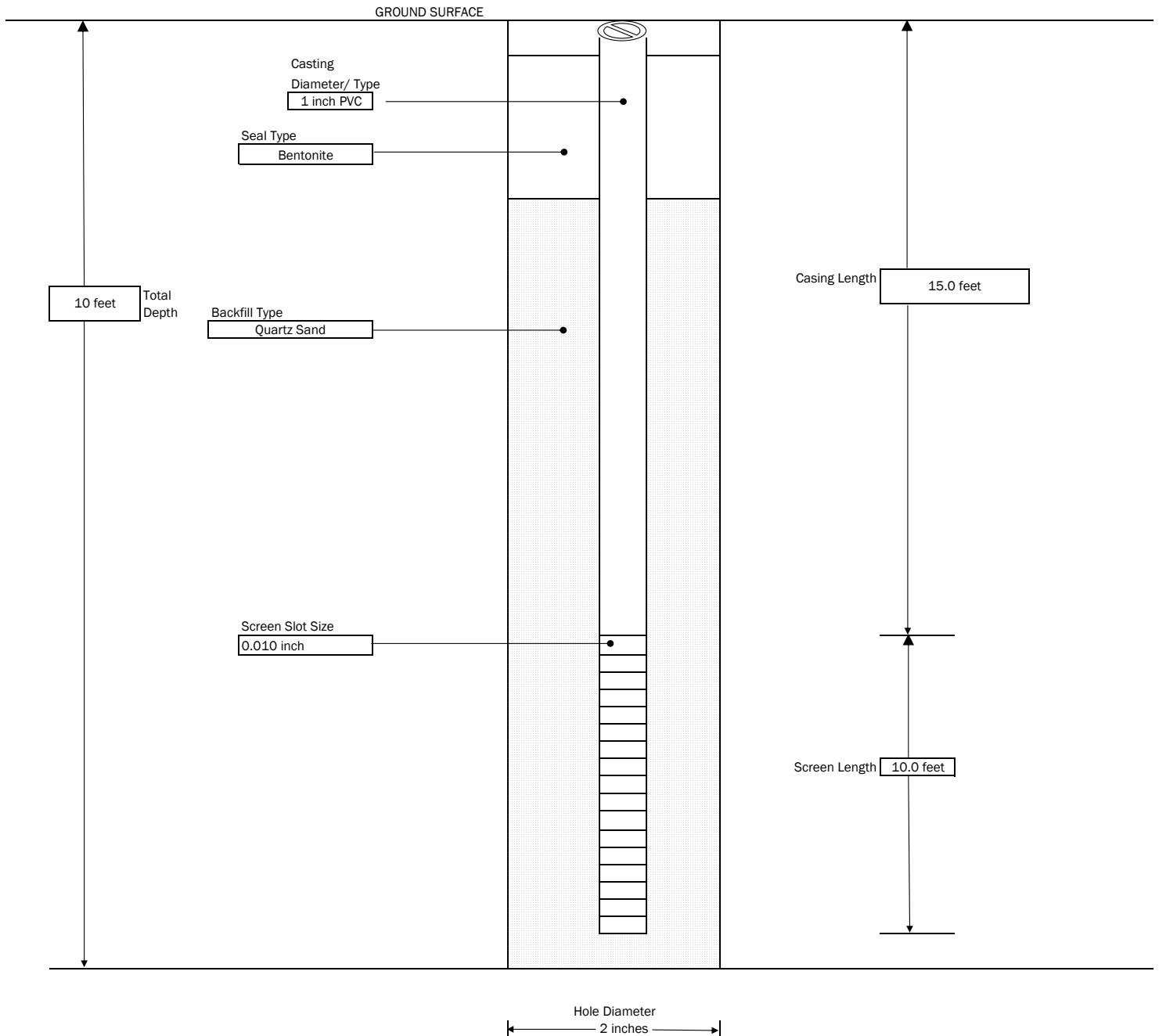
 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Phase II ESA 1350 Jefferson Road, Henrietta, NY	MONITORING WELL : MW-04 SHEET 1 OF 1 JOB # 2200916
CONTRACTOR: LaBella Environmental LLC DRILLER: A. Bement LABELLA REPRESENTATIVE: J. Folger	BORING LOCATION: SB-04 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 3/12/2020 END DATE: 3/12/2020	TYPE OF DRILL RIG: Geoprobe 6610 AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Macrocore



GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE
- 3) WELL REMOVED IMMEDIATELY FOLLOWING SAMPLING ON 2/19/2019

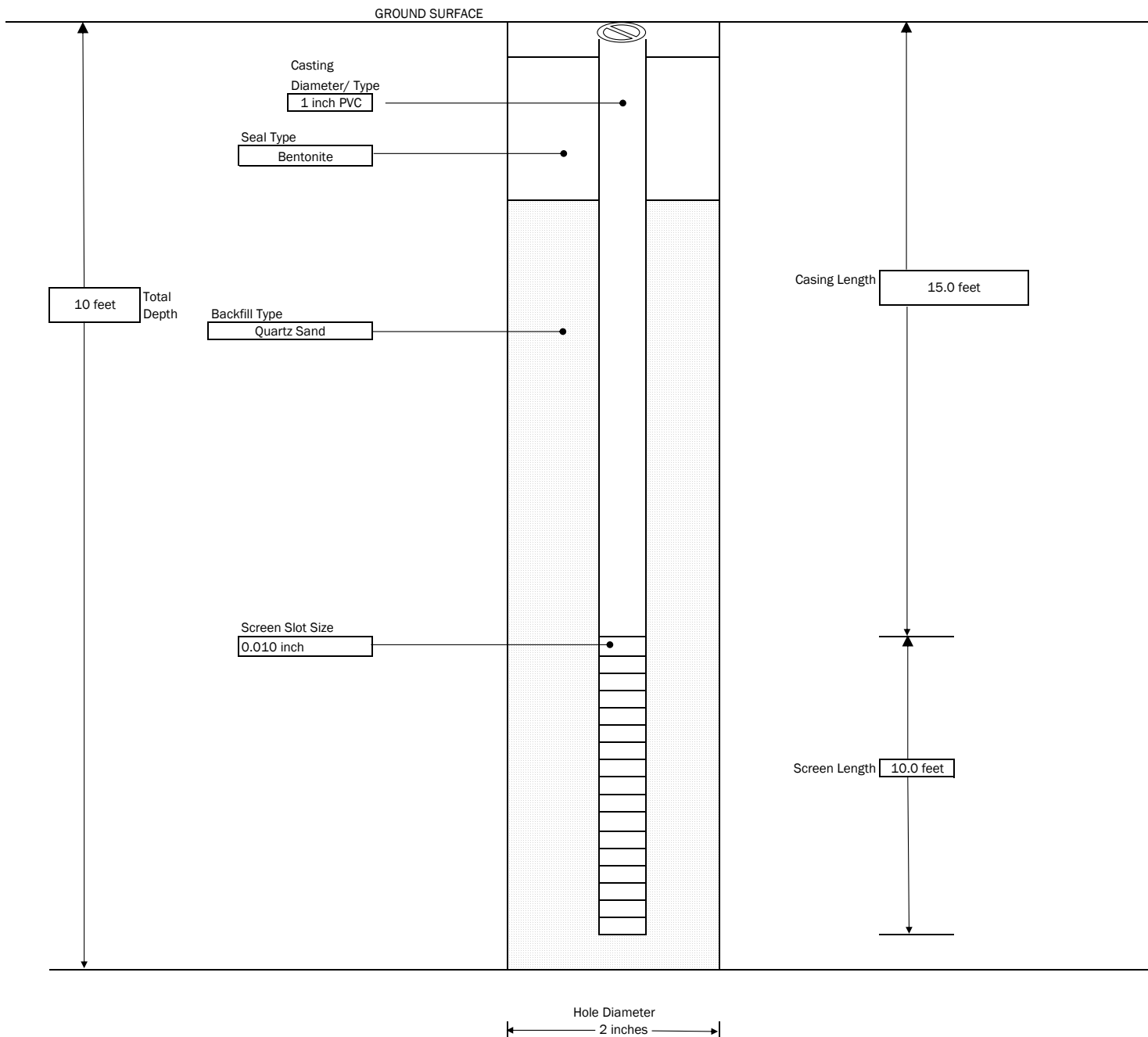
 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Phase II ESA 1350 Jefferson Road, Henrietta, NY	MONITORING WELL : MW-06 SHEET 1 OF 1 JOB # 2200916
CONTRACTOR: LaBella Environmental LLC DRILLER: A. Bement LABELLA REPRESENTATIVE: J. Folger	BORING LOCATION: SB-06 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 3/12/2020 END DATE: 3/12/2020	TYPE OF DRILL RIG: Geoprobe 6610 AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Macrocore



GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE
- 3) WELL REMOVED IMMEDIATELY FOLLOWING SAMPLING ON 2/19/2019

 LaBella Powered by partnership. 300 STATE STREET, ROCHESTER, NEW YORK ENVIRONMENTAL ENGINEERING CONSULTANTS	PROJECT Phase II ESA 1350 Jefferson Road, Henrietta, NY	MONITORING WELL : SHEET 1 OF 1 JOB # 2200916
CONTRACTOR: LaBella Environmental LLC DRILLER: A. Bement LABELLA REPRESENTATIVE: J. Folger	BORING LOCATION: SB-07 GROUND SURFACE ELEVATION: NA DATUM: NA START DATE: 3/12/2020 END DATE: 3/12/2020	TYPE OF DRILL RIG: Geoprobe 6610 AUGER SIZE AND TYPE: NA OVERBURDEN SAMPLING METHOD: Macrocore



GENERAL NOTES:

- 1) NOT TO SCALE
- 2) DEPTHS ARE APPROXIMATE
- 3) WELL REMOVED IMMEDIATELY FOLLOWING SAMPLING ON 2/19/2019



Project Name: 1350 Jefferson Road

Location: Henrietta New York

Project No.: 2200916

Sampled By: J. Folger

Date: 3/12/2020

Weather: Overcast, 40° F, Calm

WELL I.D.: MW-01

WELL SAMPLING INFORMATION

Well Diameter: 1 inch

Depth of Well: 10'

Measuring Point: TOC

Pump Type: Bladder

Static Water Level: 1.94'

Length of Well Screen: 5'

Depth to Top of Pump: 5'

Tubing Type: HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate mL/min	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	Redox (mV)	Comments
			+/- 0.1	+/- 0.3	+/- 3%	+/- 10%	+ 10%	+/- 10 mV	
940	60		7.30	7.8	32.192	307.1	9.26	103.7	
945	60		6.86	7.4	33.098	81.0	8.11	73.6	
950	60		6.91	7.5	33.566	84.3	8.34	76.8	
955	60		6.97	7.6	33.900	65.4	8.51	77.3	
1000	60		7.05	7.6	33.905	64.0	8.95	81.1	
1005	60		7.18	7.7	33.894	61.2	9.47	83.4	
1010	60	0.5	7.21	7.7	33.957	11.2	9.58	84.3	Sample MW-01 @ 1010

Total 0.5 Gallons Purged

Purge Time Start: 9:40

Purge Time End: 10:10

Final Static Water Level: 6.24'

OBSERVATIONS

Well running dry at pump, sample @ 10:10



Project Name: 1350 Jefferson Road

Location: Henrietta New York

Project No.: 2200916

Sampled By: J. Folger

Date: 3/12/2020

Weather: Overcast, 40° F, Calm

WELL I.D.: MW-04

WELL SAMPLING INFORMATION

Well Diameter: 1 inch

Depth of Well: 10'

Measuring Point: TOC

Pump Type: Bladder

Static Water Level: 0.86'

Length of Well Screen: 5'

Depth to Top of Pump: 7'

Tubing Type: HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate mL/min	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	Redox (mV)	Comments
			+/- 0.1	+/- 0.3	+/- 3%	+/- 10%	+ 10%	+/- 10 mV	
1040	60		7.28	6.1	7.362	137.2	6.91	84.1	
1045	60		7.05	6.1	7.056	67.7	5.45	52.6	
1050	60		7.04	6.7	7.392	129.1	5.10	118.2	
1055	60		7.05	7.2	7.377	182.7	5.13	19.9	
1100	60		7.07	7.7	7.170	203.1	6.22	40.9	
1105	60		7.09	7.9	7.085	186.3	6.78	54.1	
1110	60		7.10	8.2	7.058	163.8	7.16	67.8	
1115	60		7.10	8.3	7.075	179.2	7.17	74.0	
1120	60		7.08	8.4	7.007	199.3	6.91	77.7	
1125	60	0.5	7.06	8.5	6.944	198.3	6.55	80.2	Sample MW-04 @ 1125

Total 0.75 Gallons Purged

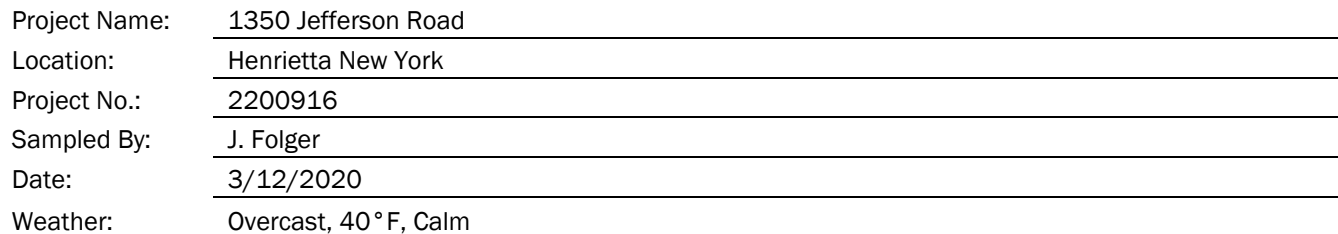
Purge Time Start: 10:40

Purge Time End: 11:25

Final Static Water Level: 7.56

OBSERVATIONS

Well running dry at pump, sample @ 11:25



WELL SAMPLING INFORMATION

Well Diameter:	1 inch	Static Water Level:	4.12'
Depth of Well:	25'	Length of Well Screen:	10'
Measuring Point:	TOC	Depth to Top of Pump:	15'
Pump Type:	Bladder	Tubing Type:	HDPE

FIELD PARAMETER MEASUREMENT

[illegible]

Total	0.45	Gallons Purged

Purge Time Start: 12:45 Purge Time End: 13:05 Final Static Water Level: 9.23'

OBSERVATIONS

Sample @ 13:05



Project Name: 1350 Jefferson Road

Location: Henrietta New York

Project No.: 2200916

Sampled By: J. Folger

Date: 3/12/2020

WELL I.D.: MW-07

Weather: Overcast, 40 ° F, Calm

WELL SAMPLING INFORMATION

Well Diameter: 1 inch

Depth of Well: 24'28'

Measuring Point: TOC

Pump Type: Bladder

Static Water Level: 0.25'

Length of Well Screen: 10'

Depth to Top of Pump: 10'

Tubing Type: HDPE

FIELD PARAMETER MEASUREMENT

Time	Pump Rate mL/min	Gallons Purged	pH	Temp °C	Conductivity (mS/cm)	Turbidity (NTU)	Dissolved O ₂ (mg/L)	Redox (mV)	Comments
			+/- 0.1	+/- 0.3	+/- 3%	+/- 10%	+ 10%	+/- 10 mV	
815	60		6.99	8.1	18.127	178.5	3.48	48.5	
820	60		7.21	7.6	18.224	236.0	2.48	-52.3	
825	60		7.29	8.1	18.217	602.4	2.27	-91.3	
830	60		7.31	8.3	18.168	4000	2.12	-118.8	
835	60		7.32	8.9	17.920	5400	3.02	-131.2	
840	60		7.26	9.7	17.737	4000	1.98	-174.0	
845	60		7.26	10.0	17.606	4600	2.02	-177.4	
850	60		7.27	9.9	17.621	4700	2.43	-165.8	
855	60		7.31	10.4	17.294	3600	1.90	-196.7	
900	60		7.33	10.3	17.367	4400	2.26	-188.3	
905	60		7.34	10.3	17.184	4700	2.14	-188.7	
910	60		7.34	10.4	16.840	2200	2.58	-186.8	
915	60	1.0	7.35	10.5	16.567	1800	2.58	-187.2	Sample MW-07 @ 915

Total 1.0 Gallons Purged

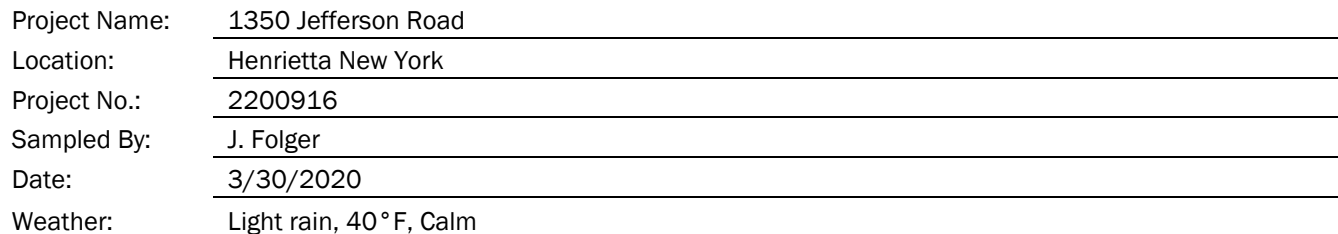
Purge Time Start: 8:15

Purge Time End: 9:15

Final Static Water Level: 8.41'

OBSERVATIONS

Stick up well. Water level about 6" below ground surface.
sample @ 9:15



WELL SAMPLING INFORMATION

Well Diameter:	1 inch	Static Water Level:	8.50'
Depth of Well:	10'	Length of Well Screen:	5'
Measuring Point:	TOC	Depth to Top of Pump:	5'
Pump Type:	Bladder	Tubing Type:	HDPE

FIELD PARAMETER MEASUREMENT

[illegible]

Total	0.25	Gallons Purged

Purge Time Start: 13:05 Purge Time End: 13:15 Final Static Water Level: 9.5'

OBSERVATIONS

Well running dry at pump, sample @ 13:15



APPENDIX 2

Laboratory Report



ANALYTICAL REPORT

Lab Number:	L2011484
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	1350 JEFFERSON
Project Number:	2200916
Report Date:	03/20/20

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2011484-01	S-01 2'-3'	SOIL	HENRIETTA, NY	03/11/20 09:00	03/13/20
L2011484-02	S-02 3'-4'	SOIL	HENRIETTA, NY	03/11/20 09:15	03/13/20
L2011484-03	S-03 8'-9'	SOIL	HENRIETTA, NY	03/11/20 09:35	03/13/20
L2011484-04	S-04 5'-6'	SOIL	HENRIETTA, NY	03/11/20 09:50	03/13/20
L2011484-05	S-05 2'-3'	SOIL	HENRIETTA, NY	03/11/20 10:05	03/13/20
L2011484-06	S-06 5'-6'	SOIL	HENRIETTA, NY	03/11/20 10:45	03/13/20
L2011484-07	S-07 7'-8'	SOIL	HENRIETTA, NY	03/11/20 14:00	03/13/20

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Caitlin Walukevich

Title: Technical Director/Representative

Date: 03/20/20

ORGANICS

VOLATILES

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-01
Client ID: S-01 2'-3'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 04:57
Analyst: JC
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.2	--	1
1,1-Dichloroethane	ND		ug/kg	0.83	--	1
Chloroform	ND		ug/kg	1.2	--	1
Carbon tetrachloride	ND		ug/kg	0.83	--	1
1,2-Dichloropropane	ND		ug/kg	0.83	--	1
Dibromochloromethane	ND		ug/kg	0.83	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.83	--	1
Tetrachloroethene	ND		ug/kg	0.42	--	1
Chlorobenzene	ND		ug/kg	0.42	--	1
Trichlorofluoromethane	ND		ug/kg	3.3	--	1
1,2-Dichloroethane	ND		ug/kg	0.83	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.42	--	1
Bromodichloromethane	ND		ug/kg	0.42	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.83	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.42	--	1
Bromoform	ND		ug/kg	3.3	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.42	--	1
Benzene	ND		ug/kg	0.42	--	1
Toluene	24		ug/kg	0.83	--	1
Ethylbenzene	1.5		ug/kg	0.83	--	1
Chloromethane	ND		ug/kg	3.3	--	1
Bromomethane	ND		ug/kg	1.7	--	1
Vinyl chloride	ND		ug/kg	0.83	--	1
Chloroethane	ND		ug/kg	1.7	--	1
1,1-Dichloroethene	ND		ug/kg	0.83	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	--	1
Trichloroethene	ND		ug/kg	0.42	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.7	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-01
Client ID: S-01 2'-3'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.7	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.7	--	1
Methyl tert butyl ether	ND		ug/kg	1.7	--	1
p/m-Xylene	6.5		ug/kg	1.7	--	1
o-Xylene	2.6		ug/kg	0.83	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.83	--	1
Styrene	ND		ug/kg	0.83	--	1
Dichlorodifluoromethane	ND		ug/kg	8.3	--	1
Acetone	ND		ug/kg	8.3	--	1
Carbon disulfide	ND		ug/kg	8.3	--	1
2-Butanone	ND		ug/kg	8.3	--	1
4-Methyl-2-pentanone	ND		ug/kg	8.3	--	1
2-Hexanone	ND		ug/kg	8.3	--	1
Bromochloromethane	ND		ug/kg	1.7	--	1
1,2-Dibromoethane	ND		ug/kg	0.83	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	--	1
Isopropylbenzene	ND		ug/kg	0.83	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.7	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.7	--	1
Methyl Acetate	ND		ug/kg	3.3	--	1
Cyclohexane	ND		ug/kg	8.3	--	1
1,4-Dioxane	ND		ug/kg	67	--	1
Freon-113	ND		ug/kg	3.3	--	1
Methyl cyclohexane	ND		ug/kg	3.3	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	92		70-130
Toluene-d8	125		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	86		70-130



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-02
Client ID: S-02 3'-4'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:15
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 05:27
Analyst: JC
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.6	--	1
1,1-Dichloroethane	ND		ug/kg	0.91	--	1
Chloroform	ND		ug/kg	1.4	--	1
Carbon tetrachloride	ND		ug/kg	0.91	--	1
1,2-Dichloropropane	ND		ug/kg	0.91	--	1
Dibromochloromethane	ND		ug/kg	0.91	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.91	--	1
Tetrachloroethene	ND		ug/kg	0.46	--	1
Chlorobenzene	ND		ug/kg	0.46	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.91	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.46	--	1
Bromodichloromethane	ND		ug/kg	0.46	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.91	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.46	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.46	--	1
Benzene	ND		ug/kg	0.46	--	1
Toluene	ND		ug/kg	0.91	--	1
Ethylbenzene	ND		ug/kg	0.91	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.91	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.91	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Trichloroethene	ND		ug/kg	0.46	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-02
Client ID: S-02 3'-4'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:15
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.91	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.91	--	1
Styrene	ND		ug/kg	0.91	--	1
Dichlorodifluoromethane	ND		ug/kg	9.1	--	1
Acetone	18		ug/kg	9.1	--	1
Carbon disulfide	ND		ug/kg	9.1	--	1
2-Butanone	ND		ug/kg	9.1	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.1	--	1
2-Hexanone	ND		ug/kg	9.1	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.91	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.91	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
Methyl Acetate	ND		ug/kg	3.6	--	1
Cyclohexane	ND		ug/kg	9.1	--	1
1,4-Dioxane	ND		ug/kg	73	--	1
Freon-113	ND		ug/kg	3.6	--	1
Methyl cyclohexane	ND		ug/kg	3.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	88		70-130
4-Bromofluorobenzene	105		70-130
Dibromofluoromethane	94		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-03
Client ID: S-03 8'-9'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:35
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 02:23
Analyst: JC
Percent Solids: 83%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	4.5	--	1
1,1-Dichloroethane	ND		ug/kg	0.90	--	1
Chloroform	ND		ug/kg	1.3	--	1
Carbon tetrachloride	ND		ug/kg	0.90	--	1
1,2-Dichloropropane	ND		ug/kg	0.90	--	1
Dibromochloromethane	ND		ug/kg	0.90	--	1
1,1,2-Trichloroethane	ND		ug/kg	0.90	--	1
Tetrachloroethene	ND		ug/kg	0.45	--	1
Chlorobenzene	ND		ug/kg	0.45	--	1
Trichlorofluoromethane	ND		ug/kg	3.6	--	1
1,2-Dichloroethane	ND		ug/kg	0.90	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.45	--	1
Bromodichloromethane	ND		ug/kg	0.45	--	1
trans-1,3-Dichloropropene	ND		ug/kg	0.90	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.45	--	1
Bromoform	ND		ug/kg	3.6	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.45	--	1
Benzene	ND		ug/kg	0.45	--	1
Toluene	ND		ug/kg	0.90	--	1
Ethylbenzene	ND		ug/kg	0.90	--	1
Chloromethane	ND		ug/kg	3.6	--	1
Bromomethane	ND		ug/kg	1.8	--	1
Vinyl chloride	ND		ug/kg	0.90	--	1
Chloroethane	ND		ug/kg	1.8	--	1
1,1-Dichloroethene	ND		ug/kg	0.90	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.3	--	1
Trichloroethene	ND		ug/kg	0.45	--	1
1,2-Dichlorobenzene	ND		ug/kg	1.8	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-03
Client ID: S-03 8'-9'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:35
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.8	--	1
1,4-Dichlorobenzene	ND		ug/kg	1.8	--	1
Methyl tert butyl ether	ND		ug/kg	1.8	--	1
p/m-Xylene	ND		ug/kg	1.8	--	1
o-Xylene	ND		ug/kg	0.90	--	1
cis-1,2-Dichloroethene	ND		ug/kg	0.90	--	1
Styrene	ND		ug/kg	0.90	--	1
Dichlorodifluoromethane	ND		ug/kg	9.0	--	1
Acetone	ND		ug/kg	9.0	--	1
Carbon disulfide	ND		ug/kg	9.0	--	1
2-Butanone	ND		ug/kg	9.0	--	1
4-Methyl-2-pentanone	ND		ug/kg	9.0	--	1
2-Hexanone	ND		ug/kg	9.0	--	1
Bromochloromethane	ND		ug/kg	1.8	--	1
1,2-Dibromoethane	ND		ug/kg	0.90	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.7	--	1
Isopropylbenzene	ND		ug/kg	0.90	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.8	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.8	--	1
Methyl Acetate	ND		ug/kg	3.6	--	1
Cyclohexane	ND		ug/kg	9.0	--	1
1,4-Dioxane	ND		ug/kg	72	--	1
Freon-113	ND		ug/kg	3.6	--	1
Methyl cyclohexane	ND		ug/kg	3.6	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	95		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-04
Client ID: S-04 5'-6'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:50
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 02:54
Analyst: JC
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.7	--	1
1,1-Dichloroethane	ND		ug/kg	1.1	--	1
Chloroform	ND		ug/kg	1.7	--	1
Carbon tetrachloride	ND		ug/kg	1.1	--	1
1,2-Dichloropropane	ND		ug/kg	1.1	--	1
Dibromochloromethane	ND		ug/kg	1.1	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.1	--	1
Tetrachloroethene	ND		ug/kg	0.57	--	1
Chlorobenzene	ND		ug/kg	0.57	--	1
Trichlorofluoromethane	ND		ug/kg	4.5	--	1
1,2-Dichloroethane	ND		ug/kg	1.1	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.57	--	1
Bromodichloromethane	ND		ug/kg	0.57	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.1	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.57	--	1
Bromoform	ND		ug/kg	4.5	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.57	--	1
Benzene	ND		ug/kg	0.57	--	1
Toluene	ND		ug/kg	1.1	--	1
Ethylbenzene	ND		ug/kg	1.1	--	1
Chloromethane	ND		ug/kg	4.5	--	1
Bromomethane	ND		ug/kg	2.3	--	1
Vinyl chloride	ND		ug/kg	1.1	--	1
Chloroethane	ND		ug/kg	2.3	--	1
1,1-Dichloroethene	ND		ug/kg	1.1	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.7	--	1
Trichloroethene	ND		ug/kg	0.57	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.3	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-04
Client ID: S-04 5'-6'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:50
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.3	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.3	--	1
Methyl tert butyl ether	ND		ug/kg	2.3	--	1
p/m-Xylene	ND		ug/kg	2.3	--	1
o-Xylene	ND		ug/kg	1.1	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.1	--	1
Styrene	ND		ug/kg	1.1	--	1
Dichlorodifluoromethane	ND		ug/kg	11	--	1
Acetone	ND		ug/kg	11	--	1
Carbon disulfide	ND		ug/kg	11	--	1
2-Butanone	ND		ug/kg	11	--	1
4-Methyl-2-pentanone	ND		ug/kg	11	--	1
2-Hexanone	ND		ug/kg	11	--	1
Bromochloromethane	ND		ug/kg	2.3	--	1
1,2-Dibromoethane	ND		ug/kg	1.1	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.4	--	1
Isopropylbenzene	ND		ug/kg	1.1	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.3	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.3	--	1
Methyl Acetate	ND		ug/kg	4.5	--	1
Cyclohexane	ND		ug/kg	11	--	1
1,4-Dioxane	ND		ug/kg	90	--	1
Freon-113	ND		ug/kg	4.5	--	1
Methyl cyclohexane	ND		ug/kg	4.5	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	98		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-05
Client ID: S-05 2'-3'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 10:05
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 03:25
Analyst: JC
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.50	--	1
Chlorobenzene	ND		ug/kg	0.50	--	1
Trichlorofluoromethane	ND		ug/kg	4.0	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	--	1
Bromodichloromethane	ND		ug/kg	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--	1
Bromoform	ND		ug/kg	4.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--	1
Benzene	ND		ug/kg	0.50	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.0	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	0.50	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-05
Client ID: S-05 2'-3'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 10:05
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	120		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	23		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
Methyl Acetate	ND		ug/kg	4.0	--	1
Cyclohexane	ND		ug/kg	10	--	1
1,4-Dioxane	ND		ug/kg	81	--	1
Freon-113	ND		ug/kg	4.0	--	1
Methyl cyclohexane	ND		ug/kg	4.0	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	100		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-06
Client ID: S-06 5'-6'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 10:45
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 03:55
Analyst: JC
Percent Solids: 84%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	--	1
1,1-Dichloroethane	ND		ug/kg	1.4	--	1
Chloroform	ND		ug/kg	2.2	--	1
Carbon tetrachloride	ND		ug/kg	1.4	--	1
1,2-Dichloropropane	ND		ug/kg	1.4	--	1
Dibromochloromethane	ND		ug/kg	1.4	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.4	--	1
Tetrachloroethene	ND		ug/kg	0.73	--	1
Chlorobenzene	ND		ug/kg	0.73	--	1
Trichlorofluoromethane	ND		ug/kg	5.8	--	1
1,2-Dichloroethane	ND		ug/kg	1.4	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	--	1
Bromodichloromethane	ND		ug/kg	0.73	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.4	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	--	1
Bromoform	ND		ug/kg	5.8	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	--	1
Benzene	ND		ug/kg	0.73	--	1
Toluene	3.6		ug/kg	1.4	--	1
Ethylbenzene	ND		ug/kg	1.4	--	1
Chloromethane	ND		ug/kg	5.8	--	1
Bromomethane	ND		ug/kg	2.9	--	1
Vinyl chloride	ND		ug/kg	1.4	--	1
Chloroethane	ND		ug/kg	2.9	--	1
1,1-Dichloroethene	ND		ug/kg	1.4	--	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	--	1
Trichloroethene	ND		ug/kg	0.73	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-06
Client ID: S-06 5'-6'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 10:45
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.9	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	--	1
Methyl tert butyl ether	ND		ug/kg	2.9	--	1
p/m-Xylene	ND		ug/kg	2.9	--	1
o-Xylene	ND		ug/kg	1.4	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.4	--	1
Styrene	ND		ug/kg	1.4	--	1
Dichlorodifluoromethane	ND		ug/kg	14	--	1
Acetone	54		ug/kg	14	--	1
Carbon disulfide	ND		ug/kg	14	--	1
2-Butanone	ND		ug/kg	14	--	1
4-Methyl-2-pentanone	ND		ug/kg	14	--	1
2-Hexanone	ND		ug/kg	14	--	1
Bromochloromethane	ND		ug/kg	2.9	--	1
1,2-Dibromoethane	ND		ug/kg	1.4	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	--	1
Isopropylbenzene	ND		ug/kg	1.4	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	--	1
Methyl Acetate	ND		ug/kg	5.8	--	1
Cyclohexane	ND		ug/kg	14	--	1
1,4-Dioxane	ND		ug/kg	120	--	1
Freon-113	ND		ug/kg	5.8	--	1
Methyl cyclohexane	ND		ug/kg	5.8	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	124		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	90		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-07
Client ID: S-07 7'-8'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 14:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 03/19/20 04:26
Analyst: JC
Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
Methylene chloride	ND		ug/kg	5.1	--	1
1,1-Dichloroethane	ND		ug/kg	1.0	--	1
Chloroform	ND		ug/kg	1.5	--	1
Carbon tetrachloride	ND		ug/kg	1.0	--	1
1,2-Dichloropropane	ND		ug/kg	1.0	--	1
Dibromochloromethane	ND		ug/kg	1.0	--	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	--	1
Tetrachloroethene	ND		ug/kg	0.51	--	1
Chlorobenzene	ND		ug/kg	0.51	--	1
Trichlorofluoromethane	ND		ug/kg	4.1	--	1
1,2-Dichloroethane	ND		ug/kg	1.0	--	1
1,1,1-Trichloroethane	ND		ug/kg	0.51	--	1
Bromodichloromethane	ND		ug/kg	0.51	--	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--	1
cis-1,3-Dichloropropene	ND		ug/kg	0.51	--	1
Bromoform	ND		ug/kg	4.1	--	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.51	--	1
Benzene	ND		ug/kg	0.51	--	1
Toluene	ND		ug/kg	1.0	--	1
Ethylbenzene	ND		ug/kg	1.0	--	1
Chloromethane	ND		ug/kg	4.1	--	1
Bromomethane	ND		ug/kg	2.0	--	1
Vinyl chloride	ND		ug/kg	1.0	--	1
Chloroethane	ND		ug/kg	2.0	--	1
1,1-Dichloroethene	ND		ug/kg	1.0	--	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--	1
Trichloroethene	ND		ug/kg	0.51	--	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-07
Client ID: S-07 7'-8'
Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 14:00
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by EPA 5035 Low - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	--	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	--	1
Methyl tert butyl ether	ND		ug/kg	2.0	--	1
p/m-Xylene	ND		ug/kg	2.0	--	1
o-Xylene	ND		ug/kg	1.0	--	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--	1
Styrene	ND		ug/kg	1.0	--	1
Dichlorodifluoromethane	ND		ug/kg	10	--	1
Acetone	ND		ug/kg	10	--	1
Carbon disulfide	ND		ug/kg	10	--	1
2-Butanone	ND		ug/kg	10	--	1
4-Methyl-2-pentanone	ND		ug/kg	10	--	1
2-Hexanone	ND		ug/kg	10	--	1
Bromochloromethane	ND		ug/kg	2.0	--	1
1,2-Dibromoethane	ND		ug/kg	1.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	--	1
Isopropylbenzene	ND		ug/kg	1.0	--	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--	1
Methyl Acetate	ND		ug/kg	4.1	--	1
Cyclohexane	ND		ug/kg	10	--	1
1,4-Dioxane	ND		ug/kg	82	--	1
Freon-113	ND		ug/kg	4.1	--	1
Methyl cyclohexane	ND		ug/kg	4.1	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	116		70-130
Toluene-d8	109		70-130
4-Bromofluorobenzene	115		70-130
Dibromofluoromethane	101		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/18/20 19:42
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1352877-5					
Methylene chloride	ND		ug/kg	5.0	--
1,1-Dichloroethane	ND		ug/kg	1.0	--
Chloroform	ND		ug/kg	1.5	--
Carbon tetrachloride	ND		ug/kg	1.0	--
1,2-Dichloropropane	ND		ug/kg	1.0	--
Dibromochloromethane	ND		ug/kg	1.0	--
1,1,2-Trichloroethane	ND		ug/kg	1.0	--
Tetrachloroethene	ND		ug/kg	0.50	--
Chlorobenzene	ND		ug/kg	0.50	--
Trichlorofluoromethane	ND		ug/kg	4.0	--
1,2-Dichloroethane	ND		ug/kg	1.0	--
1,1,1-Trichloroethane	ND		ug/kg	0.50	--
Bromodichloromethane	ND		ug/kg	0.50	--
trans-1,3-Dichloropropene	ND		ug/kg	1.0	--
cis-1,3-Dichloropropene	ND		ug/kg	0.50	--
Bromoform	ND		ug/kg	4.0	--
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	--
Benzene	ND		ug/kg	0.50	--
Toluene	ND		ug/kg	1.0	--
Ethylbenzene	ND		ug/kg	1.0	--
Chloromethane	ND		ug/kg	4.0	--
Bromomethane	ND		ug/kg	2.0	--
Vinyl chloride	ND		ug/kg	1.0	--
Chloroethane	ND		ug/kg	2.0	--
1,1-Dichloroethene	ND		ug/kg	1.0	--
trans-1,2-Dichloroethene	ND		ug/kg	1.5	--
Trichloroethene	ND		ug/kg	0.50	--
1,2-Dichlorobenzene	ND		ug/kg	2.0	--
1,3-Dichlorobenzene	ND		ug/kg	2.0	--

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/20 19:42
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1352877-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	--
Methyl tert butyl ether	ND		ug/kg	2.0	--
p/m-Xylene	ND		ug/kg	2.0	--
o-Xylene	ND		ug/kg	1.0	--
cis-1,2-Dichloroethene	ND		ug/kg	1.0	--
Styrene	ND		ug/kg	1.0	--
Dichlorodifluoromethane	ND		ug/kg	10	--
Acetone	ND		ug/kg	10	--
Carbon disulfide	ND		ug/kg	10	--
2-Butanone	ND		ug/kg	10	--
4-Methyl-2-pentanone	ND		ug/kg	10	--
2-Hexanone	ND		ug/kg	10	--
Bromochloromethane	ND		ug/kg	2.0	--
1,2-Dibromoethane	ND		ug/kg	1.0	--
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	--
Isopropylbenzene	ND		ug/kg	1.0	--
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	--
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	--
Methyl Acetate	ND		ug/kg	4.0	--
Cyclohexane	ND		ug/kg	10	--
1,4-Dioxane	ND		ug/kg	80	--
Freon-113	ND		ug/kg	4.0	--
Methyl cyclohexane	ND		ug/kg	4.0	--

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/18/20 19:42
Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-07 Batch: WG1352877-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	112		70-130
Toluene-d8	122		70-130
4-Bromofluorobenzene	122		70-130
Dibromofluoromethane	93		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1352877-3 WG1352877-4								
Methylene chloride	92		93		70-130	1		30
1,1-Dichloroethane	106		110		70-130	4		30
Chloroform	95		107		70-130	12		30
Carbon tetrachloride	93		105		70-130	12		30
1,2-Dichloropropane	107		136	Q	70-130	24		30
Dibromochloromethane	91		94		70-130	3		30
1,1,2-Trichloroethane	101		106		70-130	5		30
Tetrachloroethene	90		92		70-130	2		30
Chlorobenzene	94		94		70-130	0		30
Trichlorofluoromethane	96		96		70-139	0		30
1,2-Dichloroethane	107		110		70-130	3		30
1,1,1-Trichloroethane	89		96		70-130	8		30
Bromodichloromethane	92		116		70-130	23		30
trans-1,3-Dichloropropene	105		111		70-130	6		30
cis-1,3-Dichloropropene	98		113		70-130	14		30
Bromoform	90		108		70-130	18		30
1,1,2,2-Tetrachloroethane	89		110		70-130	21		30
Benzene	94		107		70-130	13		30
Toluene	98		102		70-130	4		30
Ethylbenzene	99		100		70-130	1		30
Chloromethane	104		107		52-130	3		30
Bromomethane	120		116		57-147	3		30
Vinyl chloride	100		104		67-130	4		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1352877-3 WG1352877-4								
Chloroethane	101		102		50-151	1		30
1,1-Dichloroethene	87		88		65-135	1		30
trans-1,2-Dichloroethene	92		92		70-130	0		30
Trichloroethene	90		90		70-130	0		30
1,2-Dichlorobenzene	100		100		70-130	0		30
1,3-Dichlorobenzene	105		100		70-130	5		30
1,4-Dichlorobenzene	96		98		70-130	2		30
Methyl tert butyl ether	97		101		66-130	4		30
p/m-Xylene	97		96		70-130	1		30
o-Xylene	94		95		70-130	1		30
cis-1,2-Dichloroethene	92		103		70-130	11		30
Styrene	98		96		70-130	2		30
Dichlorodifluoromethane	56		53		30-146	6		30
Acetone	100		101		54-140	1		30
Carbon disulfide	84		85		59-130	1		30
2-Butanone	94		121		70-130	25		30
4-Methyl-2-pentanone	121		131	Q	70-130	8		30
2-Hexanone	102		110		70-130	8		30
Bromochloromethane	89		104		70-130	16		30
1,2-Dibromoethane	100		104		70-130	4		30
1,2-Dibromo-3-chloropropane	90		101		68-130	12		30
Isopropylbenzene	94		113		70-130	18		30
1,2,3-Trichlorobenzene	98		106		70-130	8		30

Lab Control Sample Analysis Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-07 Batch: WG1352877-3 WG1352877-4								
1,2,4-Trichlorobenzene	102		109		70-130	7		30
Methyl Acetate	102		110		51-146	8		30
Cyclohexane	98		118		59-142	19		30
1,4-Dioxane	114		143	Q	65-136	23		30
Freon-113	85		85		50-139	0		30
Methyl cyclohexane	85		84		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	111		114		70-130
Toluene-d8	107		108		70-130
4-Bromofluorobenzene	94		113		70-130
Dibromofluoromethane	97		106		70-130

INORGANICS & MISCELLANEOUS

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-01

Client ID: S-01 2'-3'

Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:00

Date Received: 03/13/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	94.4		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-02

Client ID: S-02 3'-4'

Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:15

Date Received: 03/13/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.4		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2011484**Report Date:** 03/20/20**SAMPLE RESULTS****Lab ID:** L2011484-03**Client ID:** S-03 8'-9'**Sample Location:** HENRIETTA, NY**Date Collected:** 03/11/20 09:35**Date Received:** 03/13/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.2		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-04

Client ID: S-04 5'-6'

Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 09:50

Date Received: 03/13/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.8		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011484

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011484-05

Client ID: S-05 2'-3'

Sample Location: HENRIETTA, NY

Date Collected: 03/11/20 10:05

Date Received: 03/13/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.6		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2011484**Report Date:** 03/20/20**SAMPLE RESULTS****Lab ID:** L2011484-06**Client ID:** S-06 5'-6'**Sample Location:** HENRIETTA, NY**Date Collected:** 03/11/20 10:45**Date Received:** 03/13/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	83.8		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2011484**Report Date:** 03/20/20**SAMPLE RESULTS****Lab ID:** L2011484-07**Client ID:** S-07 7'-8'**Sample Location:** HENRIETTA, NY**Date Collected:** 03/11/20 14:00**Date Received:** 03/13/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	03/14/20 14:28	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2011484**Report Date:** 03/20/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-07 QC Batch ID: WG1351075-1 QC Sample: L2011484-01 Client ID: S-01 2'-3'						
Solids, Total	94.4	94.0	%	0		20

Project Name: 1350 JEFFERSON
Project Number: 2200916

Serial_No:03202010:44
Lab Number: L2011484
Report Date: 03/20/20

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler **Custody Seal**
A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2011484-01A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-01B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-01C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-01D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2011484-02A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-02B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-02C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-02D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2011484-03A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-03B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-03C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-03D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2011484-04A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-04B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-04C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-04D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2011484-05A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-05B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-05C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-05D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2011484-06A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-06B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-06C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)

Project Name: 1350 JEFFERSON**Lab Number:** L2011484**Project Number:** 2200916**Report Date:** 03/20/20**Container Information**

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2011484-06D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)
L2011484-07A	Vial MeOH preserved	A	NA		2.9	Y	Absent		NYTCL-8260HLW-R2(14)
L2011484-07B	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-07C	Vial water preserved	A	NA		2.9	Y	Absent	11-MAR-20 16:00	NYTCL-8260HLW-R2(14)
L2011484-07D	Plastic 2oz unpreserved for TS	A	NA		2.9	Y	Absent		TS(7)

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2011484**Report Date:** 03/20/20**Data Qualifiers**

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.**RE** - Analytical results are from sample re-extraction.**S** - Analytical results are from modified screening analysis.

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011484
Report Date: 03/20/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 16

Published Date: 2/17/2020 10:46:05 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walrus Dr. TEL: 508-698-6220 FAX: 508-698-9183		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 8 Albany, NY 12205: 54 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page / of /		Date Rec'd in Lab 3/14/20		ALPHA Job # L 2011484	
Client Information Client: LaBella Associates Address: 300 State Street Rochester, NY 14614 Phone: 585-454-6110 Fax: Email: mpolychuk@labellapc.com		Project Information Project Name: 1350 Jefferson Project Location: Henrietta, NY Project # 2200916 (Use Project name as Project #) ☐ Project Manager: Mike Polychuk ALPHAQuote #: Turn-Around Time: Standard ☒ Standard ☐ Rush (only if pre approved) Due Date: # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # 2200916		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge	
These samples have been previously analyzed by Alpha ☐		Other project specific requirements/comments: Terracore kits frozen 3/11/20 @ 16:00 Only report detections above MDL - No "J" values Please specify Metals or TAL.		ANALYSIS TCL VOCs		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		Sample Specific Comments	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
11484 - 01		S-01 2'-3'		3/11/20 9:00		soil		JS	
-02		S-02 3'-4'		9:15		 		 	
-03		S-03 8'-9'		9:35		 		 	
-04		S-04 5'-6'		9:50		 		 	
-05		S-05 2'-3'		10:05		 		 	
-06		S-06 5'-6'		10:45		 		 	
-07		S-07 7'-8'		14:00		 		 	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ K/E = Zn Acetate O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA035 Mansfield: Certification No: MA015		Container Type		Preservative	
Relinquished By: JS		Date/Time: 3/13/20 12:30		Received By: R Curryham		Date/Time: 3/13/20 12:30		Date/Time: 3/19/20 06:25	
Form No: 01-25 HC (rev. 30-Sept-2013)		Relinquished By: R Curryham AAL		Date/Time: 3/13/20 12:30		Received By: JS		Date/Time: 3/19/20 06:25	



Client Name: LaBella Associates

[illegible]



ANALYTICAL REPORT

Lab Number:	L2011486
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	1350 JEFFERSON
Project Number:	2200916
Report Date:	03/20/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2011486-01	MW-07	WATER	HENRIETTA, NY	03/12/20 09:15	03/13/20
L2011486-02	MW-01	WATER	HENRIETTA, NY	03/12/20 10:10	03/13/20
L2011486-03	MW-04	WATER	HENRIETTA, NY	03/12/20 11:25	03/13/20
L2011486-04	MW-06	WATER	HENRIETTA, NY	03/12/20 13:05	03/13/20

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 03/20/20

ORGANICS

VOLATILES

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-01
Client ID: MW-07
Sample Location: HENRIETTA, NY

Date Collected: 03/12/20 09:15
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/20 12:51
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-01
Client ID: MW-07
Sample Location: HENRIETTA, NY

Date Collected: 03/12/20 09:15
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	8.7		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
Methyl Acetate	ND		ug/l	2.0	--	1
Cyclohexane	ND		ug/l	10	--	1
1,4-Dioxane	ND		ug/l	250	--	1
Freon-113	ND		ug/l	2.5	--	1
Methyl cyclohexane	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	98		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-02
Client ID: MW-01
Sample Location: HENRIETTA, NY

Date Collected: 03/12/20 10:10
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/20 13:42
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	2.8		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	6.7		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	0.76		ug/l	0.50	--	1
Toluene	36		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	1.8		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Trichloroethene	8.7		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-02
Client ID: MW-01
Sample Location: HENRIETTA, NY

Date Collected: 03/12/20 10:10
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	7.4		ug/l	2.5	--	1
o-Xylene	3.1		ug/l	2.5	--	1
cis-1,2-Dichloroethene	7.6		ug/l	2.5	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	46		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	12		ug/l	5.0	--	1
4-Methyl-2-pentanone	6.5		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
Methyl Acetate	ND		ug/l	2.0	--	1
Cyclohexane	ND		ug/l	10	--	1
1,4-Dioxane	ND		ug/l	250	--	1
Freon-113	ND		ug/l	2.5	--	1
Methyl cyclohexane	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	98		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-03
Client ID: MW-04
Sample Location: HENRIETTA, NY

Date Collected: 03/12/20 11:25
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/20 14:08
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1



Project Name: 1350 JEFFERSON

Lab Number: L2011486

Project Number: 2200916

Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-03

Date Collected: 03/12/20 11:25

Client ID: MW-04

Date Received: 03/13/20

Sample Location: HENRIETTA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	10		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
Methyl Acetate	ND		ug/l	2.0	--	1
Cyclohexane	ND		ug/l	10	--	1
1,4-Dioxane	ND		ug/l	250	--	1
Freon-113	ND		ug/l	2.5	--	1
Methyl cyclohexane	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	95		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	95		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

SAMPLE RESULTS

Lab ID: L2011486-04
Client ID: MW-06
Sample Location: HENRIETTA, NY

Date Collected: 03/12/20 13:05
Date Received: 03/13/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 03/19/20 14:33
Analyst: AJK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	--	1
1,1-Dichloroethane	ND		ug/l	2.5	--	1
Chloroform	ND		ug/l	2.5	--	1
Carbon tetrachloride	ND		ug/l	0.50	--	1
1,2-Dichloropropane	ND		ug/l	1.0	--	1
Dibromochloromethane	ND		ug/l	0.50	--	1
1,1,2-Trichloroethane	ND		ug/l	1.5	--	1
Tetrachloroethene	ND		ug/l	0.50	--	1
Chlorobenzene	ND		ug/l	2.5	--	1
Trichlorofluoromethane	ND		ug/l	2.5	--	1
1,2-Dichloroethane	ND		ug/l	0.50	--	1
1,1,1-Trichloroethane	ND		ug/l	2.5	--	1
Bromodichloromethane	ND		ug/l	0.50	--	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	--	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	--	1
Bromoform	ND		ug/l	2.0	--	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	--	1
Benzene	ND		ug/l	0.50	--	1
Toluene	ND		ug/l	2.5	--	1
Ethylbenzene	ND		ug/l	2.5	--	1
Chloromethane	ND		ug/l	2.5	--	1
Bromomethane	ND		ug/l	2.5	--	1
Vinyl chloride	ND		ug/l	1.0	--	1
Chloroethane	ND		ug/l	2.5	--	1
1,1-Dichloroethene	ND		ug/l	0.50	--	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Trichloroethene	ND		ug/l	0.50	--	1
1,2-Dichlorobenzene	ND		ug/l	2.5	--	1



Project Name: 1350 JEFFERSON**Lab Number:** L2011486**Project Number:** 2200916**Report Date:** 03/20/20**SAMPLE RESULTS****Lab ID:** L2011486-04**Date Collected:** 03/12/20 13:05**Client ID:** MW-06**Date Received:** 03/13/20**Sample Location:** HENRIETTA, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	--	1
1,4-Dichlorobenzene	ND		ug/l	2.5	--	1
Methyl tert butyl ether	ND		ug/l	2.5	--	1
p/m-Xylene	ND		ug/l	2.5	--	1
o-Xylene	ND		ug/l	2.5	--	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	--	1
Styrene	ND		ug/l	2.5	--	1
Dichlorodifluoromethane	ND		ug/l	5.0	--	1
Acetone	9.2		ug/l	5.0	--	1
Carbon disulfide	ND		ug/l	5.0	--	1
2-Butanone	ND		ug/l	5.0	--	1
4-Methyl-2-pentanone	ND		ug/l	5.0	--	1
2-Hexanone	ND		ug/l	5.0	--	1
Bromochloromethane	ND		ug/l	2.5	--	1
1,2-Dibromoethane	ND		ug/l	2.0	--	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--	1
Isopropylbenzene	ND		ug/l	2.5	--	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--	1
Methyl Acetate	ND		ug/l	2.0	--	1
Cyclohexane	ND		ug/l	10	--	1
1,4-Dioxane	ND		ug/l	250	--	1
Freon-113	ND		ug/l	2.5	--	1
Methyl cyclohexane	ND		ug/l	10	--	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	93		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	97		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/20 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1353016-5					
Methylene chloride	ND		ug/l	2.5	--
1,1-Dichloroethane	ND		ug/l	2.5	--
Chloroform	ND		ug/l	2.5	--
Carbon tetrachloride	ND		ug/l	0.50	--
1,2-Dichloropropane	ND		ug/l	1.0	--
Dibromochloromethane	ND		ug/l	0.50	--
1,1,2-Trichloroethane	ND		ug/l	1.5	--
Tetrachloroethene	ND		ug/l	0.50	--
Chlorobenzene	ND		ug/l	2.5	--
Trichlorofluoromethane	ND		ug/l	2.5	--
1,2-Dichloroethane	ND		ug/l	0.50	--
1,1,1-Trichloroethane	ND		ug/l	2.5	--
Bromodichloromethane	ND		ug/l	0.50	--
trans-1,3-Dichloropropene	ND		ug/l	0.50	--
cis-1,3-Dichloropropene	ND		ug/l	0.50	--
Bromoform	ND		ug/l	2.0	--
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	--
Benzene	ND		ug/l	0.50	--
Toluene	ND		ug/l	2.5	--
Ethylbenzene	ND		ug/l	2.5	--
Chloromethane	ND		ug/l	2.5	--
Bromomethane	ND		ug/l	2.5	--
Vinyl chloride	ND		ug/l	1.0	--
Chloroethane	ND		ug/l	2.5	--
1,1-Dichloroethene	ND		ug/l	0.50	--
trans-1,2-Dichloroethene	ND		ug/l	2.5	--
Trichloroethene	ND		ug/l	0.50	--
1,2-Dichlorobenzene	ND		ug/l	2.5	--
1,3-Dichlorobenzene	ND		ug/l	2.5	--

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 03/19/20 11:09
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1353016-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	--
Methyl tert butyl ether	ND		ug/l	2.5	--
p/m-Xylene	ND		ug/l	2.5	--
o-Xylene	ND		ug/l	2.5	--
cis-1,2-Dichloroethene	ND		ug/l	2.5	--
Styrene	ND		ug/l	2.5	--
Dichlorodifluoromethane	ND		ug/l	5.0	--
Acetone	ND		ug/l	5.0	--
Carbon disulfide	ND		ug/l	5.0	--
2-Butanone	ND		ug/l	5.0	--
4-Methyl-2-pentanone	ND		ug/l	5.0	--
2-Hexanone	ND		ug/l	5.0	--
Bromochloromethane	ND		ug/l	2.5	--
1,2-Dibromoethane	ND		ug/l	2.0	--
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	--
Isopropylbenzene	ND		ug/l	2.5	--
1,2,3-Trichlorobenzene	ND		ug/l	2.5	--
1,2,4-Trichlorobenzene	ND		ug/l	2.5	--
Methyl Acetate	ND		ug/l	2.0	--
Cyclohexane	ND		ug/l	10	--
1,4-Dioxane	ND		ug/l	250	--
Freon-113	ND		ug/l	2.5	--
Methyl cyclohexane	ND		ug/l	10	--

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 03/19/20 11:09
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1353016-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	98		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011486

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1353016-3 WG1353016-4								
Methylene chloride	89		88		70-130	1		20
1,1-Dichloroethane	96		98		70-130	2		20
Chloroform	92		88		70-130	4		20
Carbon tetrachloride	82		81		63-132	1		20
1,2-Dichloropropane	99		98		70-130	1		20
Dibromochloromethane	90		90		63-130	0		20
1,1,2-Trichloroethane	87		84		70-130	4		20
Tetrachloroethene	88		81		70-130	8		20
Chlorobenzene	93		94		75-130	1		20
Trichlorofluoromethane	71		72		62-150	1		20
1,2-Dichloroethane	91		90		70-130	1		20
1,1,1-Trichloroethane	85		87		67-130	2		20
Bromodichloromethane	86		87		67-130	1		20
trans-1,3-Dichloropropene	92		90		70-130	2		20
cis-1,3-Dichloropropene	93		92		70-130	1		20
Bromoform	85		85		54-136	0		20
1,1,2,2-Tetrachloroethane	84		82		67-130	2		20
Benzene	89		87		70-130	2		20
Toluene	94		93		70-130	1		20
Ethylbenzene	92		90		70-130	2		20
Chloromethane	74		71		64-130	4		20
Bromomethane	74		81		39-139	9		20
Vinyl chloride	96		87		55-140	10		20

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2011486

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1353016-3 WG1353016-4								
Chloroethane	98		99		55-138	1		20
1,1-Dichloroethene	86		83		61-145	4		20
trans-1,2-Dichloroethene	92		89		70-130	3		20
Trichloroethene	93		84		70-130	10		20
1,2-Dichlorobenzene	92		98		70-130	6		20
1,3-Dichlorobenzene	93		93		70-130	0		20
1,4-Dichlorobenzene	93		95		70-130	2		20
Methyl tert butyl ether	83		85		63-130	2		20
p/m-Xylene	95		95		70-130	0		20
o-Xylene	95		95		70-130	0		20
cis-1,2-Dichloroethene	100		90		70-130	11		20
Styrene	95		95		70-130	0		20
Dichlorodifluoromethane	53		54		36-147	2		20
Acetone	73		68		58-148	7		20
Carbon disulfide	81		79		51-130	3		20
2-Butanone	78		79		63-138	1		20
4-Methyl-2-pentanone	92		87		59-130	6		20
2-Hexanone	77		74		57-130	4		20
Bromochloromethane	100		97		70-130	3		20
1,2-Dibromoethane	88		85		70-130	3		20
1,2-Dibromo-3-chloropropane	72		75		41-144	4		20
Isopropylbenzene	93		95		70-130	2		20
1,2,3-Trichlorobenzene	80		82		70-130	2		20

Lab Control Sample Analysis Batch Quality Control

Project Name: 1350 JEFFERSON

Lab Number: L2011486

Project Number: 2200916

Report Date: 03/20/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1353016-3 WG1353016-4								
1,2,4-Trichlorobenzene	85		88		70-130	3		20
Methyl Acetate	77		69	Q	70-130	11		20
Cyclohexane	80		80		70-130	0		20
1,4-Dioxane	84		94		56-162	11		20
Freon-113	72		74		70-130	3		20
Methyl cyclohexane	76		75		70-130	1		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	96		102		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	96		99		70-130
Dibromofluoromethane	94		97		70-130

Project Name: 1350 JEFFERSON**Lab Number:** L2011486**Project Number:** 2200916**Report Date:** 03/20/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2011486-01A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-01B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-01C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-02A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-02B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-02C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-03A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-03B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-03C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-04A	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-04B	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2011486-04C	Vial HCl preserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: Data Usability Report



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the reporting limit (RL) for the sample.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less

Report Format: Data Usability Report



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2011486**Report Date:** 03/20/20**Data Qualifiers**

than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.**RE** - Analytical results are from sample re-extraction.**S** - Analytical results are from modified screening analysis.

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2011486
Report Date: 03/20/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 16

Published Date: 2/17/2020 10:46:05 AM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

[illegible]



April 06, 2020

Service Request No:R2002645

Mr. Mike Pelychaty
Labella Associates, PC
300 State Street, 2nd Floor
Rochester, NY 14614

Laboratory Results for: 1350 Jefferson

Dear Mr.Pelychaty,

Enclosed are the results of the sample(s) submitted to our laboratory March 30, 2020
For your reference, these analyses have been assigned our service request number **R2002645**.

All testing was performed according to our laboratory's quality assurance program and met the requirements of the TNI standards except as noted in the case narrative report. Any testing not included in the lab's accreditation is identified on a Non-Certified Analytes report. All results are intended to be considered in their entirety. ALS Environmental is not responsible for use of less than the complete report. Results apply only to the individual samples submitted to the lab for analysis, as listed in the report. The measurement uncertainty of the results included in this report is within that expected when using the prescribed method(s), and represented by Laboratory Control Sample control limits. Any events, such as QC failures or Holding Time exceedances, which may add to the uncertainty are explained in the report narrative or are flagged with qualifiers. The flags are explained in the Report Qualifiers and Definitions page of this report.

Please contact me if you have any questions. My extension is 7472. You may also contact me via email at Janice.Jaeger@alsglobal.com.

Respectfully submitted,

ALS Group USA, Corp. dba ALS Environmental

Janice Jaeger
Project Manager

ADDRESS

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

PHONE +1 585 288 5380 | **FAX** +1 585 288 8475

ALS Group USA, Corp.
dba ALS Environmental



Narrative Documents

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com



Client: Labella Associates, PC
Project: 1350 Jefferson
Sample Matrix: Water

Service Request: R2002645
Date Received: 03/30/2020

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of ALS Environmental. This report contains analytical results for samples for the Tier II level requested by the client.

Sample Receipt:

One water sample was received for analysis at ALS Environmental on 03/30/2020. Any discrepancies upon initial sample inspection are annotated on the sample receipt and preservation form included within this report. The samples were stored at minimum in accordance with the analytical method requirements.

Volatiles by GC/MS:

No significant anomalies were noted with this analysis.

Approved by

A handwritten signature in black ink, appearing to read "Samanta", written over a horizontal line.

Date

04/06/2020

SAMPLE DETECTION SUMMARY**CLIENT ID: MW-01B****Lab ID: R2002645-001**

Analyte	Results	Flag	MDL	MRL	Units	Method
1,1-Dichloroethane (1,1-DCA)	3.0			1.0	ug/L	8260C
Tetrachloroethene (PCE)	16			1.0	ug/L	8260C
Trichloroethene (TCE)	19			1.0	ug/L	8260C
Vinyl Chloride	1.4			1.0	ug/L	8260C
cis-1,2-Dichloroethene	13			1.0	ug/L	8260C
trans-1,2-Dichloroethene	2.1			1.0	ug/L	8260C



Sample Receipt Information

ALS Environmental—Rochester Laboratory

1565 Jefferson Road, Building 300, Suite 360, Rochester, NY 14623

Phone (585) 288-5380 Fax (585) 288-8475

www.alsglobal.com

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803

Service Request:R2002645

SAMPLE CROSS-REFERENCE

<u>SAMPLE #</u>	<u>CLIENT SAMPLE ID</u>	<u>DATE</u>	<u>TIME</u>
R2002645-001	MW-01B	3/30/2020	1315

 NEW YORK CHAIN OF CUSTODY		Service Centers Manhattan, NY 67430: 300 W. 125th St. Suite 100 Brooklyn, NY 11220: 13 W. 46th St. Suite 100 Tonawanda, NY 14150: 275 Cooper Ave. Suite 105		Page <u>1</u> of <u>1</u>		Date Rec'd in Lab		ALPHA Job #							
		Project Information Project Name: <u>1350 Jefferson</u> Project Location: <u>Henrietta, NY</u> Project # <u>2200803</u> (Use Project name as Project #) ☐		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUIS (1 File) ☐ EQUIS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO #									
		Client Information Client: <u>LaBella Associates</u> Address: <u>300 State Street</u> <u>Rochester, NY 14614</u> Phone: <u>585-454-6110</u> Fax: _____ Email: <u>mpelychaty@labella.com</u>		Project Manager: <u>Mike Pelychaty</u> ALPHAQuote #: _____ Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:							
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: <u>No estimated values</u> Please specify Metals or TAL.						ANALYSIS		Sample Filtration ☐ Done ☐ Lab to do Preservation ☐ Lab to do (Please Specify below)		Total Bottles					
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection		Sample Matrix	Sampler's Initials					Sample Specific Comments			
				Date Time											
		<u>MW-01B</u>		<u>3/30/20</u> <u>13:15</u>		<u>water</u>	<u>MP</u>	<u>TCL VOCs</u>	<u>X</u>						
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative						Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS			
		Relinquished By: <u>[Signature]</u>		Date/Time: <u>3/30/20 14:00</u>		Received By: <u>[Signature]</u>		Date/Time: <u>3/30/20 14:00</u>							





Cooler Receipt and Preservation Check Form

R2002645

5

Labella Associates, PC
1360 Jefferson



Project/Client Labella Folder Number _____

Cooler received on 3/30/2020 by: AO

COURIER: ALS UPS FEDEX VELOCITY CLIENT

1	Were Custody seals on outside of cooler?	Y <u>(N)</u>
2	Custody papers properly completed (ink, signed)?	<u>(Y)</u> N
3	Did all bottles arrive in good condition (unbroken)?	<u>(Y)</u> N
4	Circle: Wet Ice Dry Ice Gel packs present?	Y <u>(N)</u>

5a	Perchlorate samples have required headspace?	Y N <u>(NA)</u>
5b	Did VOA vials, Alk, or Sulfide have sig* bubbles?	Y <u>(N)</u> NA
6	Where did the bottles originate?	ALS/ROC <u>(CLIENT)</u>
7	Soil VOA received as: Bulk Encore 5035set	<u>(NA)</u>

8. Temperature Readings Date: 3/30/2020 Time: 12:40Z ID: IR#7 IR#10 From: Temp Blank Sample Bottle

Observed Temp (°C)	<u>13.8</u>						
Within 0-6°C?	Y <u>(N)</u>	Y N	Y N	Y N	Y N	Y N	Y N
If <0°C, were samples frozen?	Y N	Y N	Y N	Y N	Y N	Y N	Y N

If out of Temperature, note packing/ice condition: _____ Ice melted Poorly Packed (described below) Same Day Rule

& Client Approval to Run Samples: _____ Standing Approval Client aware at drop-off Client notified by: _____

All samples held in storage location: Rm by AO on 3/30/2020 at 1425
5035 samples placed in storage location: _____ by _____ on _____ at _____

Cooler Breakdown/Preservation Check**: Date: 3/30/2020 Time: 1530 by: AO

9. Were all bottle labels complete (i.e. analysis, preservation, etc.)? YES NO
10. Did all bottle labels and tags agree with custody papers? YES NO
11. Were correct containers used for the tests indicated? YES NO
12. Were 5035 vials acceptable (no extra labels, not leaking)? YES NO
13. Air Samples: Cassettes / Tubes Intact with MS? Canisters Pressurized Tedlar® Bags Inflated N/A

pH	Lot of test paper	Reagent	Preserved?		Lot Received	Exp	Sample ID Adjusted	Vol. Added	Lot Added	Final pH
			Yes	No						
≥12		NaOH								
≤2		HNO ₃								
≤2		H ₂ SO ₄								
<4		NaHSO ₄								
5-9		For 608pest			No=Notify for 3day					
Residual Chlorine (-)		For CN, Phenol, 625, 608pest, 522			If +, contact PM to add Na ₂ S ₂ O ₃ (625, 608, CN), ascorbic (phenol).					
		Na ₂ S ₂ O ₃								
		ZnAcetate	-	-						
		HCl	**	**	<u>Client</u>					

**VOAs and 1664 Not to be tested before analysis. Otherwise, all bottles of all samples with chemical preservatives are checked (not just representatives).

Bottle lot numbers: Client
Explain all Discrepancies/ Other Comments: _____

HPROD	BULK
HTR	FLDT
SUB	HGFB
ALS	LL3541

Labels secondary reviewed by: sh
PC Secondary Review: smw 4/1/20

*significant air bubbles: VOA > 5-6 mm ; WC > 1 in. diameter



Miscellaneous Forms

ALS Environmental—Rochester Laboratory

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REPORT QUALIFIERS AND DEFINITIONS

U	Analyte was analyzed for but not detected. The sample quantitation limit has been corrected for dilution and for percent moisture, unless otherwise noted in the case narrative.	+	Correlation coefficient for MSA is <0.995.
J	Estimated value due to either being a Tentatively Identified Compound (TIC) or that the concentration is between the MRL and the MDL. Concentrations are not verified within the linear range of the calibration. For DoD: concentration >40% difference between two GC columns (pesticides/Aroclors).	N	Inorganics- Matrix spike recovery was outside laboratory limits.
B	Analyte was also detected in the associated method blank at a concentration that may have contributed to the sample result.	N	Organics- Presumptive evidence of a compound (reported as a TIC) based on the MS library search.
E	Inorganics- Concentration is estimated due to the serial dilution was outside control limits.	S	Concentration has been determined using Method of Standard Additions (MSA).
E	Organics- Concentration has exceeded the calibration range for that specific analysis.	W	Post-Digestion Spike recovery is outside control limits and the sample absorbance is <50% of the spike absorbance.
D	Concentration is a result of a dilution, typically a secondary analysis of the sample due to exceeding the calibration range or that a surrogate has been diluted out of the sample and cannot be assessed.	P	Concentration >40% difference between the two GC columns.
*	Indicates that a quality control parameter has exceeded laboratory limits. Under the "Notes" column of the Form I, this qualifier denotes analysis was performed out of Holding Time.	C	Confirmed by GC/MS
H	Analysis was performed out of hold time for tests that have an "immediate" hold time criteria.	Q	DoD reports: indicates a pesticide/Aroclor is not confirmed (100% Difference between two GC columns).
#	Spike was diluted out.	X	See Case Narrative for discussion.
		MRL	Method Reporting Limit. Also known as:
		LOQ	Limit of Quantitation (LOQ) The lowest concentration at which the method analyte may be reliably quantified under the method conditions.
		MDL	Method Detection Limit. A statistical value derived from a study designed to provide the lowest concentration that will be detected 99% of the time. Values between the MDL and MRL are estimated (see J qualifier).
		LOD	Limit of Detection. A value at or above the MDL which has been verified to be detectable.
		ND	Non-Detect. Analyte was not detected at the concentration listed. Same as U qualifier.



Rochester Lab ID # for State Certifications¹

Connecticut ID # PH0556	Maine ID #NY0032	Pennsylvania ID# 68-786
Delaware Approved	New Hampshire ID # 2941	Rhode Island ID # 158
DoD ELAP #65817	New York ID # 10145	Virginia #460167
Florida ID # E87674	North Carolina #676	

¹ Analyses were performed according to our laboratory's NELAP-approved quality assurance program and any applicable state or agency requirements. The test results meet requirements of the current NELAP/TNI standards or state or agency requirements, where applicable, except as noted in the case narrative. Since not all analyte/method/matrix combinations are offered for state/NELAC accreditation, this report may contain results which are not accredited. For a specific list of accredited analytes, contact the laboratory or go to <https://www.alsglobal.com/locations/americas/north-america/usa/new-york/rochester-environmental>

ALS Laboratory Group

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

ALS Group USA, Corp.
dba ALS Environmental

Analyst Summary report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803

Service Request: R2002645

Sample Name: MW-01B
Lab Code: R2002645-001
Sample Matrix: Water

Date Collected: 03/30/20
Date Received: 03/30/20

Analysis Method
8260C

Extracted/Digested By

Analyzed By
FNAEGLER



INORGANIC PREPARATION METHODS

The preparation methods associated with this report are found in these tables unless discussed in the case narrative.

Water/Liquid Matrix

Analytical Method	Preparation Method
200.7	200.2
200.8	200.2
6010C	3005A/3010A
6020A	ILM05.3
9034 Sulfide Acid Soluble	9030B
SM 4500-CN-E Residual Cyanide	SM 4500-CN-G
SM 4500-CN-E WAD Cyanide	SM 4500-CN-I

Solid/Soil/Non-Aqueous Matrix

Analytical Method	Preparation Method
6010C	3050B
6020A	3050B
6010C TCLP (1311) extract	3005A/3010A
6010 SPLP (1312) extract	3005A/3010A
7199	3060A
300.0 Anions/ 350.1/ 353.2/ SM 2320B/ SM 5210B/ 9056A Anions	DI extraction
For analytical methods not listed, the preparation method is the same as the analytical method reference.	



Sample Results

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645
Date Collected: 03/30/20 13:15
Date Received: 03/30/20 14:00

Sample Name: MW-01B
Lab Code: R2002645-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	1	04/03/20 19:25	
1,1,2,2-Tetrachloroethane	ND U	1.0	1	04/03/20 19:25	
1,1,2-Trichloroethane	ND U	1.0	1	04/03/20 19:25	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	1	04/03/20 19:25	
1,1-Dichloroethane (1,1-DCA)	3.0	1.0	1	04/03/20 19:25	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	1	04/03/20 19:25	
1,2,3-Trichlorobenzene	ND U	1.0	1	04/03/20 19:25	
1,2,4-Trichlorobenzene	ND U	1.0	1	04/03/20 19:25	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	1	04/03/20 19:25	
1,2-Dibromoethane	ND U	1.0	1	04/03/20 19:25	
1,2-Dichlorobenzene	ND U	1.0	1	04/03/20 19:25	
1,2-Dichloroethane	ND U	1.0	1	04/03/20 19:25	
1,2-Dichloropropane	ND U	1.0	1	04/03/20 19:25	
1,3-Dichlorobenzene	ND U	1.0	1	04/03/20 19:25	
1,4-Dichlorobenzene	ND U	1.0	1	04/03/20 19:25	
1,4-Dioxane	ND U	40	1	04/03/20 19:25	
2-Butanone (MEK)	ND U	5.0	1	04/03/20 19:25	
2-Hexanone	ND U	5.0	1	04/03/20 19:25	
4-Methyl-2-pentanone	ND U	5.0	1	04/03/20 19:25	
Acetone	ND U	5.0	1	04/03/20 19:25	
Benzene	ND U	1.0	1	04/03/20 19:25	
Bromochloromethane	ND U	1.0	1	04/03/20 19:25	
Bromodichloromethane	ND U	1.0	1	04/03/20 19:25	
Bromoform	ND U	1.0	1	04/03/20 19:25	
Bromomethane	ND U	1.0	1	04/03/20 19:25	
Carbon Disulfide	ND U	1.0	1	04/03/20 19:25	
Carbon Tetrachloride	ND U	1.0	1	04/03/20 19:25	
Chlorobenzene	ND U	1.0	1	04/03/20 19:25	
Chloroethane	ND U	1.0	1	04/03/20 19:25	
Chloroform	ND U	1.0	1	04/03/20 19:25	
Chloromethane	ND U	1.0	1	04/03/20 19:25	
Cyclohexane	ND U	1.0	1	04/03/20 19:25	
Dibromochloromethane	ND U	1.0	1	04/03/20 19:25	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	1	04/03/20 19:25	
Dichloromethane	ND U	1.0	1	04/03/20 19:25	
Ethylbenzene	ND U	1.0	1	04/03/20 19:25	
Isopropylbenzene (Cumene)	ND U	1.0	1	04/03/20 19:25	
Methyl Acetate	ND U	2.0	1	04/03/20 19:25	
Methyl tert-Butyl Ether	ND U	1.0	1	04/03/20 19:25	
Methylcyclohexane	ND U	1.0	1	04/03/20 19:25	
Styrene	ND U	1.0	1	04/03/20 19:25	
Tetrachloroethene (PCE)	16	1.0	1	04/03/20 19:25	
Toluene	ND U	1.0	1	04/03/20 19:25	

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Analytical Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645
Date Collected: 03/30/20 13:15
Date Received: 03/30/20 14:00

Sample Name: MW-01B
Lab Code: R2002645-001

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	19	1.0	1	04/03/20 19:25	
Trichlorofluoromethane (CFC 11)	ND U	1.0	1	04/03/20 19:25	
Vinyl Chloride	1.4	1.0	1	04/03/20 19:25	
cis-1,2-Dichloroethene	13	1.0	1	04/03/20 19:25	
cis-1,3-Dichloropropene	ND U	1.0	1	04/03/20 19:25	
m,p-Xylenes	ND U	2.0	1	04/03/20 19:25	
o-Xylene	ND U	1.0	1	04/03/20 19:25	
trans-1,2-Dichloroethene	2.1	1.0	1	04/03/20 19:25	
trans-1,3-Dichloropropene	ND U	1.0	1	04/03/20 19:25	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/03/20 19:25	
Dibromofluoromethane	96	89 - 119	04/03/20 19:25	
Toluene-d8	98	87 - 121	04/03/20 19:25	



QC Summary Forms

ALS Environmental—Rochester Laboratory

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Volatile Organic Compounds by GC/MS

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ALS Group USA, Corp.
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QA/QC Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Extraction Method: EPA 5030C

Sample Name	Lab Code	4-Bromofluorobenzene	Dibromofluoromethane	Toluene-d8
		85-122	89-119	87-121
MW-01B	R2002645-001	94	96	98
Method Blank	RQ2003280-04	94	97	98
Lab Control Sample	RQ2003280-03	98	99	101

ALS Group USA, Corp.
dba ALS Environmental

Analytical Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2003280-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
1,1,1-Trichloroethane (TCA)	ND U	1.0	1	04/03/20 11:58	
1,1,2,2-Tetrachloroethane	ND U	1.0	1	04/03/20 11:58	
1,1,2-Trichloroethane	ND U	1.0	1	04/03/20 11:58	
1,1,2-Trichloro-1,2,2-trifluoroethane	ND U	1.0	1	04/03/20 11:58	
1,1-Dichloroethane (1,1-DCA)	ND U	1.0	1	04/03/20 11:58	
1,1-Dichloroethene (1,1-DCE)	ND U	1.0	1	04/03/20 11:58	
1,2,3-Trichlorobenzene	ND U	1.0	1	04/03/20 11:58	
1,2,4-Trichlorobenzene	ND U	1.0	1	04/03/20 11:58	
1,2-Dibromo-3-chloropropane (DBCP)	ND U	2.0	1	04/03/20 11:58	
1,2-Dibromoethane	ND U	1.0	1	04/03/20 11:58	
1,2-Dichlorobenzene	ND U	1.0	1	04/03/20 11:58	
1,2-Dichloroethane	ND U	1.0	1	04/03/20 11:58	
1,2-Dichloropropane	ND U	1.0	1	04/03/20 11:58	
1,3-Dichlorobenzene	ND U	1.0	1	04/03/20 11:58	
1,4-Dichlorobenzene	ND U	1.0	1	04/03/20 11:58	
1,4-Dioxane	ND U	40	1	04/03/20 11:58	
2-Butanone (MEK)	ND U	5.0	1	04/03/20 11:58	
2-Hexanone	ND U	5.0	1	04/03/20 11:58	
4-Methyl-2-pentanone	ND U	5.0	1	04/03/20 11:58	
Acetone	ND U	5.0	1	04/03/20 11:58	
Benzene	ND U	1.0	1	04/03/20 11:58	
Bromochloromethane	ND U	1.0	1	04/03/20 11:58	
Bromodichloromethane	ND U	1.0	1	04/03/20 11:58	
Bromoform	ND U	1.0	1	04/03/20 11:58	
Bromomethane	ND U	1.0	1	04/03/20 11:58	
Carbon Disulfide	ND U	1.0	1	04/03/20 11:58	
Carbon Tetrachloride	ND U	1.0	1	04/03/20 11:58	
Chlorobenzene	ND U	1.0	1	04/03/20 11:58	
Chloroethane	ND U	1.0	1	04/03/20 11:58	
Chloroform	ND U	1.0	1	04/03/20 11:58	
Chloromethane	ND U	1.0	1	04/03/20 11:58	
Cyclohexane	ND U	1.0	1	04/03/20 11:58	
Dibromochloromethane	ND U	1.0	1	04/03/20 11:58	
Dichlorodifluoromethane (CFC 12)	ND U	1.0	1	04/03/20 11:58	
Dichloromethane	ND U	1.0	1	04/03/20 11:58	
Ethylbenzene	ND U	1.0	1	04/03/20 11:58	
Isopropylbenzene (Cumene)	ND U	1.0	1	04/03/20 11:58	
Methyl Acetate	ND U	2.0	1	04/03/20 11:58	
Methyl tert-Butyl Ether	ND U	1.0	1	04/03/20 11:58	
Methylcyclohexane	ND U	1.0	1	04/03/20 11:58	
Styrene	ND U	1.0	1	04/03/20 11:58	
Tetrachloroethene (PCE)	ND U	1.0	1	04/03/20 11:58	
Toluene	ND U	1.0	1	04/03/20 11:58	

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Analytical Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645
Date Collected: NA
Date Received: NA

Sample Name: Method Blank
Lab Code: RQ2003280-04

Units: ug/L
Basis: NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260C
Prep Method: EPA 5030C

Analyte Name	Result	MRL	Dil.	Date Analyzed	Q
Trichloroethene (TCE)	ND U	1.0	1	04/03/20 11:58	
Trichlorofluoromethane (CFC 11)	ND U	1.0	1	04/03/20 11:58	
Vinyl Chloride	ND U	1.0	1	04/03/20 11:58	
cis-1,2-Dichloroethene	ND U	1.0	1	04/03/20 11:58	
cis-1,3-Dichloropropene	ND U	1.0	1	04/03/20 11:58	
m,p-Xylenes	ND U	2.0	1	04/03/20 11:58	
o-Xylene	ND U	1.0	1	04/03/20 11:58	
trans-1,2-Dichloroethene	ND U	1.0	1	04/03/20 11:58	
trans-1,3-Dichloropropene	ND U	1.0	1	04/03/20 11:58	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
4-Bromofluorobenzene	94	85 - 122	04/03/20 11:58	
Dibromofluoromethane	97	89 - 119	04/03/20 11:58	
Toluene-d8	98	87 - 121	04/03/20 11:58	

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QA/QC Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645
Date Analyzed: 04/03/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2003280-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
1,1,1-Trichloroethane (TCA)	8260C	18.1	20.0	91	75-125
1,1,2,2-Tetrachloroethane	8260C	21.6	20.0	108	78-126
1,1,2-Trichloroethane	8260C	20.4	20.0	102	82-121
1,1,2-Trichloro-1,2,2-trifluoroethane	8260C	19.0	20.0	95	67-124
1,1-Dichloroethane (1,1-DCA)	8260C	19.2	20.0	96	80-124
1,1-Dichloroethene (1,1-DCE)	8260C	19.2	20.0	96	71-118
1,2,3-Trichlorobenzene	8260C	20.9	20.0	105	67-136
1,2,4-Trichlorobenzene	8260C	20.5	20.0	102	75-132
1,2-Dibromo-3-chloropropane (DBCP)	8260C	19.3	20.0	97	55-136
1,2-Dibromoethane	8260C	20.6	20.0	103	82-127
1,2-Dichlorobenzene	8260C	19.0	20.0	95	80-119
1,2-Dichloroethane	8260C	17.7	20.0	89	71-127
1,2-Dichloropropane	8260C	19.9	20.0	100	80-119
1,3-Dichlorobenzene	8260C	19.0	20.0	95	83-121
1,4-Dichlorobenzene	8260C	19.1	20.0	95	79-119
1,4-Dioxane	8260C	391	400	98	44-154
2-Butanone (MEK)	8260C	18.5	20.0	93	61-137
2-Hexanone	8260C	19.1	20.0	95	63-124
4-Methyl-2-pentanone	8260C	19.4	20.0	97	66-124
Acetone	8260C	19.1	20.0	95	40-161
Benzene	8260C	19.8	20.0	99	79-119
Bromochloromethane	8260C	20.2	20.0	101	81-126
Bromodichloromethane	8260C	19.3	20.0	96	81-123
Bromoform	8260C	18.5	20.0	93	65-146
Bromomethane	8260C	16.8	20.0	84	42-166
Carbon Disulfide	8260C	23.1	20.0	116	66-128
Carbon Tetrachloride	8260C	16.7	20.0	84	70-127
Chlorobenzene	8260C	18.9	20.0	94	80-121
Chloroethane	8260C	17.9	20.0	89	62-131
Chloroform	8260C	19.1	20.0	96	79-120
Chloromethane	8260C	19.1	20.0	95	65-135
Cyclohexane	8260C	20.7	20.0	103	69-120
Dibromochloromethane	8260C	19.8	20.0	99	72-128

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QA/QC Report

Client: Labella Associates, PC
Project: 1350 Jefferson/2200803
Sample Matrix: Water

Service Request: R2002645
Date Analyzed: 04/03/20

Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Units:ug/L
Basis:NA

Lab Control Sample
RQ2003280-03

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Dichlorodifluoromethane (CFC 12)	8260C	19.2	20.0	96	59-155
Dichloromethane	8260C	20.4	20.0	102	73-122
Ethylbenzene	8260C	18.9	20.0	94	76-120
Isopropylbenzene (Cumene)	8260C	17.8	20.0	89	77-128
Methyl Acetate	8260C	19.3	20.0	96	40-112
Methyl tert-Butyl Ether	8260C	19.3	20.0	96	75-118
Methylcyclohexane	8260C	21.5	20.0	108	51-129
Styrene	8260C	19.0	20.0	95	80-124
Tetrachloroethene (PCE)	8260C	18.4	20.0	92	72-125
Toluene	8260C	19.3	20.0	96	79-119
Trichloroethene (TCE)	8260C	18.1	20.0	90	74-122
Trichlorofluoromethane (CFC 11)	8260C	18.6	20.0	93	71-136
Vinyl Chloride	8260C	17.5	20.0	88	74-159
cis-1,2-Dichloroethene	8260C	20.2	20.0	101	80-121
cis-1,3-Dichloropropene	8260C	18.1	20.0	90	77-122
m,p-Xylenes	8260C	37.8	40.0	95	80-126
o-Xylene	8260C	19.1	20.0	95	79-123
trans-1,2-Dichloroethene	8260C	19.5	20.0	97	73-118
trans-1,3-Dichloropropene	8260C	17.2	20.0	86	71-133



APPENDIX 2

CAMP Data

Upwind Particulate

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530162811
Firmware Version	3.9
Calibration Date	5/21/2020
Test Name	MANUAL_001
Test Start Time	8:46:55 AM
Test Start Date	6/17/2020
Test Length [D:H:M]	0:05:39
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.014
Mass Minimum [mg/m3]	0.011
Mass Maximum [mg/m3]	0.027
Mass TWA [mg/m3]	0.01
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	339

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.027		
120	0.024		
180	0.024		
240	0.021		
300	0.021		
360	0.02		
420	0.02		
480	0.019		
540	0.018		
600	0.018		
660	0.019		
720	0.018		
780	0.018		
840	0.018		
900	0.017		
960	0.018		
1020	0.018		
1080	0.02		
1140	0.019		
1200	0.019		
1260	0.019		
1320	0.018		
1380	0.022		
1440	0.027		
1500	0.019		
1560	0.017		
1620	0.019		

1680	0.019
1740	0.017
1800	0.018
1860	0.019
1920	0.018
1980	0.02
2040	0.022
2100	0.018
2160	0.017
2220	0.018
2280	0.017
2340	0.018
2400	0.022
2460	0.02
2520	0.023
2580	0.016
2640	0.017
2700	0.016
2760	0.016
2820	0.015
2880	0.015
2940	0.015
3000	0.015
3060	0.015
3120	0.016
3180	0.015
3240	0.015
3300	0.014
3360	0.014
3420	0.015
3480	0.014
3540	0.014
3600	0.014
3660	0.014
3720	0.014
3780	0.014
3840	0.015
3900	0.014
3960	0.013
4020	0.014
4080	0.014
4140	0.013
4200	0.014
4260	0.014
4320	0.015
4380	0.015
4440	0.015

4500	0.014
4560	0.014
4620	0.014
4680	0.015
4740	0.016
4800	0.015
4860	0.014
4920	0.014
4980	0.014
5040	0.015
5100	0.016
5160	0.015
5220	0.015
5280	0.014
5340	0.015
5400	0.014
5460	0.015
5520	0.014
5580	0.015
5640	0.014
5700	0.014
5760	0.014
5820	0.015
5880	0.015
5940	0.015
6000	0.015
6060	0.016
6120	0.015
6180	0.015
6240	0.015
6300	0.014
6360	0.015
6420	0.014
6480	0.014
6540	0.015
6600	0.014
6660	0.015
6720	0.015
6780	0.015
6840	0.015
6900	0.015
6960	0.014
7020	0.014
7080	0.014
7140	0.013
7200	0.014
7260	0.014

7320	0.014
7380	0.014
7440	0.019
7500	0.015
7560	0.015
7620	0.015
7680	0.017
7740	0.015
7800	0.015
7860	0.015
7920	0.015
7980	0.016
8040	0.015
8100	0.015
8160	0.016
8220	0.016
8280	0.015
8340	0.016
8400	0.015
8460	0.015
8520	0.015
8580	0.014
8640	0.014
8700	0.015
8760	0.017
8820	0.015
8880	0.015
8940	0.015
9000	0.015
9060	0.015
9120	0.015
9180	0.015
9240	0.013
9300	0.013
9360	0.013
9420	0.013
9480	0.013
9540	0.012
9600	0.012
9660	0.012
9720	0.014
9780	0.014
9840	0.014
9900	0.013
9960	0.014
10020	0.013
10080	0.015

10140	0.013
10200	0.013
10260	0.013
10320	0.013
10380	0.014
10440	0.014
10500	0.014
10560	0.013
10620	0.013
10680	0.013
10740	0.014
10800	0.013
10860	0.013
10920	0.012
10980	0.012
11040	0.012
11100	0.012
11160	0.012
11220	0.011
11280	0.012
11340	0.012
11400	0.012
11460	0.012
11520	0.012
11580	0.012
11640	0.012
11700	0.012
11760	0.012
11820	0.012
11880	0.013
11940	0.013
12000	0.013
12060	0.013
12120	0.013
12180	0.013
12240	0.013
12300	0.013
12360	0.013
12420	0.013
12480	0.013
12540	0.013
12600	0.015
12660	0.014
12720	0.014
12780	0.014
12840	0.013
12900	0.014

12960	0.013
13020	0.013
13080	0.013
13140	0.012
13200	0.013
13260	0.012
13320	0.012
13380	0.012
13440	0.012
13500	0.012
13560	0.012
13620	0.012
13680	0.013
13740	0.012
13800	0.012
13860	0.012
13920	0.013
13980	0.012
14040	0.012
14100	0.012
14160	0.013
14220	0.012
14280	0.012
14340	0.012
14400	0.012
14460	0.012
14520	0.012
14580	0.012
14640	0.013
14700	0.013
14760	0.012
14820	0.012
14880	0.013
14940	0.013
15000	0.012
15060	0.013
15120	0.013
15180	0.014
15240	0.013
15300	0.014
15360	0.012
15420	0.012
15480	0.012
15540	0.012
15600	0.016
15660	0.014
15720	0.013

15780	0.012
15840	0.012
15900	0.012
15960	0.012
16020	0.012
16080	0.013
16140	0.012
16200	0.012
16260	0.012
16320	0.012
16380	0.012
16440	0.012
16500	0.012
16560	0.012
16620	0.012
16680	0.012
16740	0.012
16800	0.012
16860	0.012
16920	0.012
16980	0.012
17040	0.012
17100	0.013
17160	0.012
17220	0.012
17280	0.012
17340	0.013
17400	0.012
17460	0.012
17520	0.012
17580	0.013
17640	0.013
17700	0.013
17760	0.012
17820	0.012
17880	0.012
17940	0.012
18000	0.012
18060	0.012
18120	0.012
18180	0.012
18240	0.012
18300	0.013
18360	0.012
18420	0.012
18480	0.012
18540	0.012

18600	0.012
18660	0.012
18720	0.012
18780	0.012
18840	0.012
18900	0.012
18960	0.012
19020	0.013
19080	0.013
19140	0.013
19200	0.013
19260	0.013
19320	0.012
19380	0.013
19440	0.012
19500	0.013
19560	0.013
19620	0.013
19680	0.013
19740	0.013
19800	0.013
19860	0.012
19920	0.013
19980	0.013
20040	0.013
20100	0.013
20160	0.013
20220	0.013
20280	0.013
20340	0.012

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530162811
Firmware Version	3.9
Calibration Date	5/21/2020
Test Name	MANUAL_002
Test Start Time	7:25:21 AM
Test Start Date	6/18/2020
Test Length [D:H:M]	0:07:28
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.005
Mass Maximum [mg/m3]	0.037
Mass TWA [mg/m3]	0.012
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	448

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.037		
120	0.027		
180	0.022		
240	0.021		
300	0.021		
360	0.021		
420	0.02		
480	0.02		
540	0.02		
600	0.021		
660	0.02		
720	0.019		
780	0.019		
840	0.02		
900	0.019		
960	0.019		
1020	0.019		
1080	0.019		
1140	0.019		
1200	0.019		
1260	0.019		
1320	0.019		
1380	0.019		
1440	0.019		
1500	0.019		
1560	0.019		
1620	0.018		

1680	0.018
1740	0.018
1800	0.017
1860	0.018
1920	0.017
1980	0.017
2040	0.017
2100	0.017
2160	0.017
2220	0.017
2280	0.017
2340	0.017
2400	0.017
2460	0.017
2520	0.017
2580	0.017
2640	0.017
2700	0.017
2760	0.018
2820	0.018
2880	0.018
2940	0.018
3000	0.018
3060	0.018
3120	0.017
3180	0.017
3240	0.017
3300	0.016
3360	0.016
3420	0.016
3480	0.016
3540	0.016
3600	0.016
3660	0.017
3720	0.016
3780	0.016
3840	0.016
3900	0.016
3960	0.016
4020	0.016
4080	0.017
4140	0.017
4200	0.016
4260	0.016
4320	0.018
4380	0.016
4440	0.016

4500	0.016
4560	0.016
4620	0.016
4680	0.016
4740	0.016
4800	0.016
4860	0.016
4920	0.016
4980	0.017
5040	0.016
5100	0.016
5160	0.016
5220	0.016
5280	0.016
5340	0.016
5400	0.016
5460	0.016
5520	0.015
5580	0.016
5640	0.016
5700	0.015
5760	0.016
5820	0.016
5880	0.015
5940	0.015
6000	0.015
6060	0.015
6120	0.015
6180	0.015
6240	0.015
6300	0.015
6360	0.015
6420	0.015
6480	0.023
6540	0.018
6600	0.016
6660	0.014
6720	0.014
6780	0.014
6840	0.014
6900	0.015
6960	0.015
7020	0.016
7080	0.015
7140	0.014
7200	0.014
7260	0.013

7320	0.014
7380	0.013
7440	0.014
7500	0.014
7560	0.014
7620	0.014
7680	0.014
7740	0.014
7800	0.012
7860	0.012
7920	0.012
7980	0.012
8040	0.011
8100	0.011
8160	0.014
8220	0.011
8280	0.012
8340	0.011
8400	0.011
8460	0.012
8520	0.012
8580	0.012
8640	0.012
8700	0.012
8760	0.012
8820	0.012
8880	0.012
8940	0.012
9000	0.012
9060	0.012
9120	0.012
9180	0.012
9240	0.012
9300	0.011
9360	0.012
9420	0.012
9480	0.012
9540	0.012
9600	0.012
9660	0.012
9720	0.011
9780	0.011
9840	0.011
9900	0.012
9960	0.012
10020	0.012
10080	0.011

10140	0.011
10200	0.011
10260	0.011
10320	0.011
10380	0.011
10440	0.012
10500	0.012
10560	0.011
10620	0.011
10680	0.011
10740	0.012
10800	0.012
10860	0.012
10920	0.011
10980	0.011
11040	0.011
11100	0.011
11160	0.011
11220	0.011
11280	0.011
11340	0.011
11400	0.011
11460	0.011
11520	0.011
11580	0.011
11640	0.013
11700	0.012
11760	0.012
11820	0.011
11880	0.012
11940	0.012
12000	0.011
12060	0.012
12120	0.012
12180	0.012
12240	0.011
12300	0.011
12360	0.01
12420	0.01
12480	0.011
12540	0.011
12600	0.011
12660	0.011
12720	0.01
12780	0.01
12840	0.011
12900	0.011

12960	0.01
13020	0.011
13080	0.011
13140	0.011
13200	0.01
13260	0.011
13320	0.011
13380	0.011
13440	0.011
13500	0.012
13560	0.012
13620	0.012
13680	0.012
13740	0.012
13800	0.012
13860	0.012
13920	0.012
13980	0.013
14040	0.012
14100	0.013
14160	0.013
14220	0.013
14280	0.013
14340	0.014
14400	0.014
14460	0.014
14520	0.013
14580	0.017
14640	0.013
14700	0.013
14760	0.013
14820	0.013
14880	0.013
14940	0.014
15000	0.013
15060	0.013
15120	0.013
15180	0.013
15240	0.012
15300	0.012
15360	0.012
15420	0.012
15480	0.011
15540	0.011
15600	0.011
15660	0.011
15720	0.011

15780	0.011
15840	0.011
15900	0.011
15960	0.011
16020	0.011
16080	0.011
16140	0.011
16200	0.011
16260	0.011
16320	0.011
16380	0.011
16440	0.011
16500	0.011
16560	0.011
16620	0.011
16680	0.011
16740	0.011
16800	0.011
16860	0.011
16920	0.012
16980	0.012
17040	0.012
17100	0.012
17160	0.011
17220	0.011
17280	0.011
17340	0.011
17400	0.011
17460	0.011
17520	0.011
17580	0.011
17640	0.012
17700	0.012
17760	0.012
17820	0.012
17880	0.012
17940	0.012
18000	0.012
18060	0.012
18120	0.013
18180	0.012
18240	0.013
18300	0.012
18360	0.012
18420	0.012
18480	0.012
18540	0.012

18600	0.013
18660	0.012
18720	0.013
18780	0.013
18840	0.013
18900	0.013
18960	0.012
19020	0.012
19080	0.012
19140	0.012
19200	0.012
19260	0.012
19320	0.012
19380	0.012
19440	0.012
19500	0.013
19560	0.012
19620	0.013
19680	0.013
19740	0.012
19800	0.013
19860	0.013
19920	0.013
19980	0.013
20040	0.013
20100	0.012
20160	0.012
20220	0.012
20280	0.012
20340	0.011
20400	0.011
20460	0.011
20520	0.011
20580	0.01
20640	0.011
20700	0.011
20760	0.011
20820	0.011
20880	0.011
20940	0.011
21000	0.011
21060	0.012
21120	0.011
21180	0.011
21240	0.011
21300	0.011
21360	0.011

21420	0.011
21480	0.011
21540	0.011
21600	0.01
21660	0.01
21720	0.01
21780	0.009
21840	0.01
21900	0.009
21960	0.009
22020	0.009
22080	0.009
22140	0.009
22200	0.009
22260	0.009
22320	0.009
22380	0.009
22440	0.011
22500	0.01
22560	0.009
22620	0.009
22680	0.009
22740	0.009
22800	0.009
22860	0.009
22920	0.009
22980	0.011
23040	0.01
23100	0.009
23160	0.009
23220	0.009
23280	0.009
23340	0.009
23400	0.009
23460	0.009
23520	0.009
23580	0.008
23640	0.008
23700	0.008
23760	0.008
23820	0.008
23880	0.008
23940	0.008
24000	0.007
24060	0.007
24120	0.007
24180	0.012

24240	0.007
24300	0.007
24360	0.008
24420	0.007
24480	0.007
24540	0.007
24600	0.007
24660	0.006
24720	0.006
24780	0.006
24840	0.006
24900	0.006
24960	0.006
25020	0.006
25080	0.006
25140	0.007
25200	0.007
25260	0.007
25320	0.007
25380	0.007
25440	0.007
25500	0.007
25560	0.007
25620	0.007
25680	0.006
25740	0.006
25800	0.005
25860	0.006
25920	0.006
25980	0.005
26040	0.009
26100	0.006
26160	0.005
26220	0.005
26280	0.005
26340	0.005
26400	0.005
26460	0.005
26520	0.005
26580	0.005
26640	0.005
26700	0.005
26760	0.005
26820	0.005
26880	0.005

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530162811
Firmware Version	3.9
Calibration Date	5/21/2020
Test Name	MANUAL_003
Test Start Time	7:31:06 AM
Test Start Date	6/19/2020
Test Length [D:H:M]	0:09:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.01
Mass Maximum [mg/m3]	0.026
Mass TWA [mg/m3]	0.012
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	39

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.014		
1800	0.014		
2700	0.013		
3600	0.013		
4500	0.013		
5400	0.013		
6300	0.012		
7200	0.011		
8100	0.011		
9000	0.011		
9900	0.01		
10800	0.01		
11700	0.013		
12600	0.011		
13500	0.01		
14400	0.01		
15300	0.01		
16200	0.01		
17100	0.01		
18000	0.01		
18900	0.011		
19800	0.01		
20700	0.01		
21600	0.011		
22500	0.013		
23400	0.011		
24300	0.012		

25200	0.012
26100	0.012
27000	0.012
27900	0.013
28800	0.026
29700	0.012
30600	0.012
31500	0.011
32400	0.011
33300	0.011
34200	0.011
35100	0.011

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530162811
Firmware Version	3.9
Calibration Date	5/21/2020
Test Name	MANUAL_004
Test Start Time	7:48:11 AM
Test Start Date	6/22/2020
Test Length [D:H:M]	0:06:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.029
Mass Minimum [mg/m3]	0.026
Mass Maximum [mg/m3]	0.036
Mass TWA [mg/m3]	0.024
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	27

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.032		
1800	0.028		
2700	0.027		
3600	0.027		
4500	0.028		
5400	0.028		
6300	0.029		
7200	0.028		
8100	0.028		
9000	0.028		
9900	0.028		
10800	0.029		
11700	0.029		
12600	0.029		
13500	0.027		
14400	0.027		
15300	0.026		
16200	0.026		
17100	0.027		
18000	0.026		
18900	0.027		
19800	0.027		
20700	0.029		
21600	0.03		
22500	0.031		
23400	0.036		
24300	0.036		

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/10/2020
Instrument S/N	8530151701	Start Time	07:45:38
		Stop Date	09/10/2020
		Stop Time	14:15:38
		Total Time	0:06:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/10/2020	08:00:38	0.023
2	09/10/2020	08:15:38	0.021
3	09/10/2020	08:30:38	0.020
4	09/10/2020	08:45:38	0.023
5	09/10/2020	09:00:38	0.021
6	09/10/2020	09:15:38	0.022
7	09/10/2020	09:30:38	0.023
8	09/10/2020	09:45:38	0.020
9	09/10/2020	10:00:38	0.025
10	09/10/2020	10:15:38	0.022
11	09/10/2020	10:30:38	0.022
12	09/10/2020	10:45:38	0.034
13	09/10/2020	11:00:38	0.032
14	09/10/2020	11:15:38	0.032
15	09/10/2020	11:30:38	0.030
16	09/10/2020	11:45:38	0.029
17	09/10/2020	12:00:38	0.027
18	09/10/2020	12:15:38	0.028
19	09/10/2020	12:30:38	0.029
20	09/10/2020	12:45:38	0.026
21	09/10/2020	13:00:38	0.026
22	09/10/2020	13:15:38	0.025
23	09/10/2020	13:30:38	0.027
24	09/10/2020	13:45:38	0.028
25	09/10/2020	14:00:38	0.028
26	09/10/2020	14:15:38	0.027

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/15/2020
Instrument S/N	8530122603	Start Time	06:59:37
		Stop Date	09/15/2020
		Stop Time	14:29:37
		Total Time	0:07:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/15/2020	07:14:37	0.002
2	09/15/2020	07:29:37	0.003
3	09/15/2020	07:44:37	0.002
4	09/15/2020	07:59:37	0.003
5	09/15/2020	08:14:37	0.004
6	09/15/2020	08:29:37	0.003
7	09/15/2020	08:44:37	0.004
8	09/15/2020	08:59:37	0.003
9	09/15/2020	09:14:37	0.003
10	09/15/2020	09:29:37	0.004
11	09/15/2020	09:44:37	0.004
12	09/15/2020	09:59:37	0.005
13	09/15/2020	10:14:37	0.003
14	09/15/2020	10:29:37	0.005
15	09/15/2020	10:44:37	0.005
16	09/15/2020	10:59:37	0.004
17	09/15/2020	11:14:37	0.003
18	09/15/2020	11:29:37	0.003
19	09/15/2020	11:44:37	0.003
20	09/15/2020	11:59:37	0.004
21	09/15/2020	12:14:37	0.003
22	09/15/2020	12:29:37	0.003
23	09/15/2020	12:44:37	0.003
24	09/15/2020	12:59:37	0.004
25	09/15/2020	13:14:37	0.004
26	09/15/2020	13:29:37	0.004
27	09/15/2020	13:44:37	0.004
28	09/15/2020	13:59:37	0.004
29	09/15/2020	14:14:37	0.003
30	09/15/2020	14:29:37	0.004

Test 010

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2020
Instrument S/N	8530122603	Start Time	05:59:01
		Stop Date	09/16/2020
		Stop Time	13:44:01
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/16/2020	06:14:01	0.004
2	09/16/2020	06:29:01	0.004
3	09/16/2020	06:44:01	0.003
4	09/16/2020	06:59:01	0.004
5	09/16/2020	07:14:01	0.004
6	09/16/2020	07:29:01	0.003
7	09/16/2020	07:44:01	0.003
8	09/16/2020	07:59:01	0.004
9	09/16/2020	08:14:01	0.003
10	09/16/2020	08:29:01	0.003
11	09/16/2020	08:44:01	0.004
12	09/16/2020	08:59:01	0.004
13	09/16/2020	09:14:01	0.004
14	09/16/2020	09:29:01	0.004
15	09/16/2020	09:44:01	0.005
16	09/16/2020	09:59:01	0.005
17	09/16/2020	10:14:01	0.005
18	09/16/2020	10:29:01	0.005
19	09/16/2020	10:44:01	0.005
20	09/16/2020	10:59:01	0.004
21	09/16/2020	11:14:01	0.005
22	09/16/2020	11:29:01	0.005
23	09/16/2020	11:44:01	0.005
24	09/16/2020	11:59:01	0.004
25	09/16/2020	12:14:01	0.004
26	09/16/2020	12:29:01	0.005
27	09/16/2020	12:44:01	0.005
28	09/16/2020	12:59:01	0.004
29	09/16/2020	13:14:01	0.004
30	09/16/2020	13:29:01	0.005
31	09/16/2020	13:44:01	0.004

Test 108

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/25/2020
Instrument S/N	8530133810	Start Time	06:35:09
		Stop Date	09/25/2020
		Stop Time	09:35:09
		Total Time	0:03:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.033 mg/m ³
Max	0.043 mg/m ³
Max Date	09/25/2020
Max Time	08:05:09
Min	0.028 mg/m ³
Min Date	09/25/2020
Min Time	09:05:09
TWA (8 hr)	0.013
TWA Start Date	09/25/2020
TWA Start Time	06:35:09
TWA End Time	09:35:09

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/25/2020	06:50:09	0.037
2	09/25/2020	07:05:09	0.031
3	09/25/2020	07:20:09	0.036
4	09/25/2020	07:35:09	0.036
5	09/25/2020	07:50:09	0.034
6	09/25/2020	08:05:09	0.043
7	09/25/2020	08:20:09	0.036
8	09/25/2020	08:35:09	0.033
9	09/25/2020	08:50:09	0.030
10	09/25/2020	09:05:09	0.028
11	09/25/2020	09:20:09	0.028
12	09/25/2020	09:35:09	0.029

Test 109

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/25/2020
Instrument S/N	8530133810	Start Time	10:07:57
		Stop Date	09/25/2020
		Stop Time	12:22:57
		Total Time	0:02:15:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.025 mg/m ³
Max	0.031 mg/m ³
Max Date	09/25/2020
Max Time	10:22:57
Min	0.023 mg/m ³
Min Date	09/25/2020
Min Time	11:07:57
TWA (8 hr)	0.007
TWA Start Date	09/25/2020
TWA Start Time	10:07:57
TWA End Time	12:22:57

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/25/2020	10:22:57	0.031
2	09/25/2020	10:37:57	0.024
3	09/25/2020	10:52:57	0.024
4	09/25/2020	11:07:57	0.023
5	09/25/2020	11:22:57	0.023
6	09/25/2020	11:37:57	0.023
7	09/25/2020	11:52:57	0.024
8	09/25/2020	12:07:57	0.025
9	09/25/2020	12:22:57	0.024

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/20/2020
Instrument S/N	8530121503	Start Time	07:18:25
		Stop Date	10/20/2020
		Stop Time	13:48:25
		Total Time	0:06:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.002 mg/m ³
Max	0.005 mg/m ³
Max Date	10/20/2020
Max Time	11:03:25
Min	0.000 mg/m ³
Min Date	10/20/2020
Min Time	07:48:25
TWA (8 hr)	0.002
TWA Start Date	10/20/2020
TWA Start Time	07:18:25
TWA End Time	13:48:25

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	10/20/2020	07:33:25	0.004
2	10/20/2020	07:48:25	0.000
3	10/20/2020	08:03:25	0.001
4	10/20/2020	08:18:25	0.000
5	10/20/2020	08:33:25	0.000
6	10/20/2020	08:48:25	0.000
7	10/20/2020	09:03:25	0.000
8	10/20/2020	09:18:25	0.000
9	10/20/2020	09:33:25	0.000
10	10/20/2020	09:48:25	0.001
11	10/20/2020	10:03:25	0.000
12	10/20/2020	10:18:25	0.001
13	10/20/2020	10:33:25	0.001
14	10/20/2020	10:48:25	0.004
15	10/20/2020	11:03:25	0.005
16	10/20/2020	11:18:25	0.004
17	10/20/2020	11:33:25	0.004
18	10/20/2020	11:48:25	0.003
19	10/20/2020	12:03:25	0.003
20	10/20/2020	12:18:25	0.003
21	10/20/2020	12:33:25	0.003

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	10/20/2020	12:48:25	0.003
23	10/20/2020	13:03:25	0.003
24	10/20/2020	13:18:25	0.003
25	10/20/2020	13:33:25	0.004
26	10/20/2020	13:48:25	0.004

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/21/2020
Instrument S/N	8530121503	Start Time	07:03:33
		Stop Date	10/21/2020
		Stop Time	11:33:33
		Total Time	0:04:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.014 mg/m ³
Max	0.022 mg/m ³
Max Date	10/21/2020
Max Time	11:03:33
Min	0.008 mg/m ³
Min Date	10/21/2020
Min Time	09:48:33
TWA (8 hr)	0.008
TWA Start Date	10/21/2020
TWA Start Time	07:03:33
TWA End Time	11:33:33

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	10/21/2020	07:18:33	0.016
2	10/21/2020	07:33:33	0.014
3	10/21/2020	07:48:33	0.012
4	10/21/2020	08:03:33	0.012
5	10/21/2020	08:18:33	0.012
6	10/21/2020	08:33:33	0.012
7	10/21/2020	08:48:33	0.012
8	10/21/2020	09:03:33	0.010
9	10/21/2020	09:18:33	0.010
10	10/21/2020	09:33:33	0.010
11	10/21/2020	09:48:33	0.008
12	10/21/2020	10:03:33	0.013
13	10/21/2020	10:18:33	0.019
14	10/21/2020	10:33:33	0.019
15	10/21/2020	10:48:33	0.020
16	10/21/2020	11:03:33	0.022
17	10/21/2020	11:18:33	0.020
18	10/21/2020	11:33:33	0.018

Downwind Particulate

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142613
Firmware Version	3.9
Calibration Date	7/1/2019
Test Name	MANUAL_001
Test Start Time	8:49:26 AM
Test Start Date	6/17/2020
Test Length [D:H:M]	0:05:32
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.003
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.023
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	332

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.023		
120	0.016		
180	0.015		
240	0.014		
300	0.012		
360	0.012		
420	0.011		
480	0.011		
540	0.01		
600	0.01		
660	0.01		
720	0.01		
780	0.01		
840	0.01		
900	0.009		
960	0.009		
1020	0.01		
1080	0.011		
1140	0.011		
1200	0.01		
1260	0.009		
1320	0.008		
1380	0.009		
1440	0.01		
1500	0.009		
1560	0.009		
1620	0.01		

1680	0.01
1740	0.009
1800	0.008
1860	0.008
1920	0.009
1980	0.008
2040	0.007
2100	0.008
2160	0.007
2220	0.008
2280	0.009
2340	0.009
2400	0.009
2460	0.008
2520	0.007
2580	0.007
2640	0.007
2700	0.007
2760	0.006
2820	0.006
2880	0.005
2940	0.005
3000	0.006
3060	0.005
3120	0.005
3180	0.005
3240	0.005
3300	0.005
3360	0.005
3420	0.006
3480	0.006
3540	0.006
3600	0.005
3660	0.005
3720	0.005
3780	0.005
3840	0.005
3900	0.005
3960	0.005
4020	0.006
4080	0.006
4140	0.007
4200	0.007
4260	0.006
4320	0.007
4380	0.006
4440	0.005

4500	0.005
4560	0.005
4620	0.005
4680	0.005
4740	0.005
4800	0.005
4860	0.004
4920	0.004
4980	0.005
5040	0.004
5100	0.005
5160	0.005
5220	0.004
5280	0.004
5340	0.004
5400	0.004
5460	0.004
5520	0.004
5580	0.004
5640	0.004
5700	0.004
5760	0.004
5820	0.004
5880	0.004
5940	0.004
6000	0.004
6060	0.004
6120	0.004
6180	0.003
6240	0.004
6300	0.004
6360	0.003
6420	0.004
6480	0.003
6540	0.003
6600	0.003
6660	0.003
6720	0.003
6780	0.003
6840	0.003
6900	0.003
6960	0.003
7020	0.003
7080	0.003
7140	0.003
7200	0.003
7260	0.003

7320	0.003
7380	0.003
7440	0.003
7500	0.003
7560	0.004
7620	0.003
7680	0.003
7740	0.003
7800	0.003
7860	0.003
7920	0.003
7980	0.003
8040	0.004
8100	0.004
8160	0.003
8220	0.003
8280	0.004
8340	0.01
8400	0.008
8460	0.007
8520	0.005
8580	0.005
8640	0.004
8700	0.005
8760	0.004
8820	0.004
8880	0.003
8940	0.004
9000	0.003
9060	0.002
9120	0.002
9180	0.002
9240	0.002
9300	0.002
9360	0.002
9420	0.002
9480	0.002
9540	0.002
9600	0.002
9660	0.002
9720	0.002
9780	0.002
9840	0.001
9900	0.002
9960	0.001
10020	0.001
10080	0.002

10140	0.001
10200	0.001
10260	0.001
10320	0.001
10380	0.002
10440	0.002
10500	0.001
10560	0.001
10620	0.001
10680	0.002
10740	0.002
10800	0.003
10860	0.001
10920	0.001
10980	0.001
11040	0.001
11100	0.001
11160	0.001
11220	0.001
11280	0.001
11340	0.001
11400	0.001
11460	0.001
11520	0.001
11580	0.001
11640	0.001
11700	0.001
11760	0.001
11820	0.001
11880	0.001
11940	0.001
12000	0.001
12060	0.001
12120	0.001
12180	0.001
12240	0.001
12300	0.001
12360	0.001
12420	0.001
12480	0.001
12540	0.001
12600	0.001
12660	0.001
12720	0
12780	0.001
12840	0.001
12900	0.001

12960	0.001
13020	0
13080	0.001
13140	0
13200	0.001
13260	0.001
13320	0.001
13380	0.001
13440	0.001
13500	0.001
13560	0.001
13620	0.001
13680	0.001
13740	0.001
13800	0.001
13860	0.001
13920	0
13980	0.002
14040	0.001
14100	0.001
14160	0.001
14220	0.001
14280	0.001
14340	0.001
14400	0.001
14460	0.001
14520	0.001
14580	0.001
14640	0.001
14700	0.001
14760	0.001
14820	0.001
14880	0.001
14940	0.001
15000	0.001
15060	0.001
15120	0
15180	0
15240	0.001
15300	0.001
15360	0.001
15420	0.001
15480	0.001
15540	0.002
15600	0.001
15660	0.001
15720	0.001

15780	0.001
15840	0
15900	0
15960	0
16020	0
16080	0
16140	0
16200	0.001
16260	0.001
16320	0.001
16380	0.001
16440	0
16500	0
16560	0
16620	0
16680	0
16740	0
16800	0
16860	0
16920	0
16980	0
17040	0
17100	0
17160	0
17220	0
17280	0
17340	0
17400	0.001
17460	0.001
17520	0.001
17580	0.001
17640	0.001
17700	0
17760	0.001
17820	0
17880	0
17940	0.001
18000	0
18060	0
18120	0.001
18180	0
18240	0
18300	0
18360	0
18420	0
18480	0
18540	0

18600	0.001
18660	0.004
18720	0.003
18780	0.002
18840	0.002
18900	0.002
18960	0.002
19020	0.002
19080	0.002
19140	0.003
19200	0.002
19260	0.001
19320	0.001
19380	0.001
19440	0.001
19500	0.001
19560	0.001
19620	0.001
19680	0.001
19740	0.001
19800	0
19860	0
19920	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142613
Firmware Version	3.9
Calibration Date	7/1/2019
Test Name	MANUAL_002
Test Start Time	7:19:43 AM
Test Start Date	6/18/2020
Test Length [D:H:M]	0:07:29
Test Interval [M:S]	1:00
Mass Average [mg/m3]	0.002
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.018
Mass TWA [mg/m3]	0.002
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	449

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
60	0.016		
120	0.014		
180	0.012		
240	0.011		
300	0.011		
360	0.01		
420	0.01		
480	0.009		
540	0.009		
600	0.008		
660	0.008		
720	0.008		
780	0.008		
840	0.008		
900	0.007		
960	0.007		
1020	0.006		
1080	0.007		
1140	0.007		
1200	0.008		
1260	0.007		
1320	0.008		
1380	0.008		
1440	0.007		
1500	0.006		
1560	0.014		
1620	0.016		

1680	0.018
1740	0.013
1800	0.012
1860	0.011
1920	0.01
1980	0.009
2040	0.009
2100	0.009
2160	0.008
2220	0.008
2280	0.008
2340	0.008
2400	0.007
2460	0.007
2520	0.007
2580	0.007
2640	0.007
2700	0.006
2760	0.006
2820	0.006
2880	0.006
2940	0.006
3000	0.006
3060	0.006
3120	0.006
3180	0.006
3240	0.006
3300	0.006
3360	0.006
3420	0.006
3480	0.007
3540	0.006
3600	0.006
3660	0.006
3720	0.006
3780	0.006
3840	0.006
3900	0.006
3960	0.006
4020	0.006
4080	0.006
4140	0.006
4200	0.006
4260	0.005
4320	0.006
4380	0.006
4440	0.005

4500	0.005
4560	0.005
4620	0.005
4680	0.005
4740	0.005
4800	0.005
4860	0.005
4920	0.005
4980	0.005
5040	0.005
5100	0.005
5160	0.005
5220	0.005
5280	0.006
5340	0.006
5400	0.006
5460	0.006
5520	0.005
5580	0.005
5640	0.006
5700	0.005
5760	0.005
5820	0.005
5880	0.005
5940	0.005
6000	0.005
6060	0.005
6120	0.005
6180	0.005
6240	0.005
6300	0.004
6360	0.005
6420	0.005
6480	0.004
6540	0.005
6600	0.004
6660	0.004
6720	0.004
6780	0.004
6840	0.004
6900	0.005
6960	0.004
7020	0.004
7080	0.004
7140	0.004
7200	0.004
7260	0.003

7320	0.003
7380	0.003
7440	0.004
7500	0.003
7560	0.003
7620	0.003
7680	0.003
7740	0.003
7800	0.004
7860	0.003
7920	0.003
7980	0.003
8040	0.003
8100	0.003
8160	0.003
8220	0.003
8280	0.003
8340	0.003
8400	0.003
8460	0.003
8520	0.002
8580	0.002
8640	0.002
8700	0.002
8760	0.002
8820	0.002
8880	0.002
8940	0.002
9000	0.002
9060	0.001
9120	0.001
9180	0.001
9240	0.001
9300	0.001
9360	0.001
9420	0.001
9480	0.001
9540	0.001
9600	0.001
9660	0.001
9720	0.001
9780	0.001
9840	0.001
9900	0.001
9960	0.001
10020	0.001
10080	0.001

10140	0.001
10200	0.001
10260	0
10320	0
10380	0.001
10440	0
10500	0
10560	0
10620	0
10680	0
10740	0
10800	0
10860	0
10920	0
10980	0
11040	0.001
11100	0
11160	0
11220	0
11280	0
11340	0.001
11400	0
11460	0
11520	0
11580	0
11640	0
11700	0
11760	0
11820	0
11880	0
11940	0
12000	0
12060	0
12120	0
12180	0
12240	0
12300	0
12360	0
12420	0
12480	0
12540	0
12600	0
12660	0
12720	0
12780	0
12840	0.001
12900	0.001

12960	0
13020	0
13080	0
13140	0
13200	0
13260	0
13320	0
13380	0
13440	0
13500	0
13560	0
13620	0
13680	0
13740	0
13800	0
13860	0
13920	0
13980	0
14040	0
14100	0
14160	0
14220	0
14280	0
14340	0
14400	0
14460	0
14520	0.001
14580	0
14640	0.001
14700	0.001
14760	0.001
14820	0.001
14880	0.001
14940	0
15000	0.001
15060	0
15120	0.001
15180	0
15240	0.001
15300	0.001
15360	0.001
15420	0.001
15480	0.001
15540	0
15600	0.001
15660	0.001
15720	0.001

15780	0
15840	0
15900	0
15960	0
16020	0
16080	0
16140	0
16200	0
16260	0
16320	0
16380	0
16440	0.001
16500	0
16560	0
16620	0
16680	0
16740	0
16800	0
16860	0
16920	0
16980	0
17040	0
17100	0.001
17160	0
17220	0
17280	0
17340	0.001
17400	0.001
17460	0
17520	0
17580	0.001
17640	0
17700	0
17760	0
17820	0
17880	0
17940	0
18000	0
18060	0
18120	0
18180	0
18240	0
18300	0
18360	0
18420	0
18480	0.001
18540	0.001

18600	0.001
18660	0
18720	0.001
18780	0.001
18840	0.001
18900	0
18960	0.001
19020	0.001
19080	0.001
19140	0
19200	0.001
19260	0
19320	0
19380	0.001
19440	0.001
19500	0
19560	0
19620	0.001
19680	0
19740	0
19800	0
19860	0
19920	0
19980	0
20040	0
20100	0.001
20160	0
20220	0
20280	0
20340	0.001
20400	0
20460	0
20520	0.001
20580	0
20640	0
20700	0
20760	0
20820	0
20880	0
20940	0.003
21000	0
21060	0.002
21120	0
21180	0
21240	0
21300	0
21360	0

21420	0
21480	0.001
21540	0
21600	0
21660	0
21720	0
21780	0
21840	0
21900	0
21960	0
22020	0
22080	0
22140	0
22200	0
22260	0
22320	0
22380	0
22440	0
22500	0
22560	0
22620	0
22680	0
22740	0
22800	0
22860	0
22920	0
22980	0
23040	0
23100	0
23160	0
23220	0
23280	0
23340	0
23400	0.001
23460	0
23520	0.001
23580	0
23640	0
23700	0
23760	0
23820	0
23880	0
23940	0
24000	0
24060	0
24120	0
24180	0

24240	0
24300	0
24360	0
24420	0
24480	0
24540	0
24600	0
24660	0
24720	0
24780	0
24840	0
24900	0
24960	0
25020	0
25080	0
25140	0
25200	0
25260	0
25320	0
25380	0
25440	0
25500	0
25560	0
25620	0
25680	0
25740	0
25800	0
25860	0
25920	0
25980	0
26040	0
26100	0
26160	0
26220	0
26280	0
26340	0
26400	0
26460	0
26520	0
26580	0
26640	0
26700	0
26760	0
26820	0
26880	0
26940	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142613
Firmware Version	3.9
Calibration Date	7/1/2019
Test Name	MANUAL_003
Test Start Time	7:37:14 AM
Test Start Date	6/19/2020
Test Length [D:H:M]	0:10:00
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.001
Mass Minimum [mg/m3]	0
Mass Maximum [mg/m3]	0.007
Mass TWA [mg/m3]	0.001
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	40

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.007		
1800	0.005		
2700	0.004		
3600	0.003		
4500	0.003		
5400	0.002		
6300	0.002		
7200	0.002		
8100	0.001		
9000	0.001		
9900	0		
10800	0		
11700	0		
12600	0		
13500	0		
14400	0		
15300	0		
16200	0		
17100	0.001		
18000	0		
18900	0		
19800	0		
20700	0		
21600	0		
22500	0		
23400	0		
24300	0.001		

25200	0.001
26100	0.001
27000	0.001
27900	0.001
28800	0.001
29700	0
30600	0
31500	0
32400	0
33300	0
34200	0
35100	0
36000	0

Instrument Name	DustTrak II
Model Number	8530
Serial Number	8530142613
Firmware Version	3.9
Calibration Date	7/1/2019
Test Name	MANUAL_004
Test Start Time	7:52:00 AM
Test Start Date	6/22/2020
Test Length [D:H:M]	0:06:45
Test Interval [M:S]	15:00
Mass Average [mg/m3]	0.012
Mass Minimum [mg/m3]	0.008
Mass Maximum [mg/m3]	0.025
Mass TWA [mg/m3]	0.01
Photometric User Cal	1
Flow User Cal	0
Errors	
Number of Samples	27

Elapsed Time [s]	Mass [mg/m3]	Alarms	Errors
900	0.023		
1800	0.016		
2700	0.014		
3600	0.013		
4500	0.012		
5400	0.012		
6300	0.012		
7200	0.011		
8100	0.011		
9000	0.01		
9900	0.009		
10800	0.01		
11700	0.009		
12600	0.009		
13500	0.009		
14400	0.008		
15300	0.008		
16200	0.008		
17100	0.008		
18000	0.008		
18900	0.01		
19800	0.011		
20700	0.009		
21600	0.009		
22500	0.019		
23400	0.022		
24300	0.025		

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/10/2020
Instrument S/N	8530153423	Start Time	07:46:05
		Stop Date	09/10/2020
		Stop Time	14:16:05
		Total Time	0:06:30:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/10/2020	08:01:05	0.022
2	09/10/2020	08:16:05	0.018
3	09/10/2020	08:31:05	0.014
4	09/10/2020	08:46:05	0.016
5	09/10/2020	09:01:05	0.016
6	09/10/2020	09:16:05	0.015
7	09/10/2020	09:31:05	0.015
8	09/10/2020	09:46:05	0.012
9	09/10/2020	10:01:05	0.013
10	09/10/2020	10:16:05	0.022
11	09/10/2020	10:31:05	0.012
12	09/10/2020	10:46:05	0.015
13	09/10/2020	11:01:05	0.016
14	09/10/2020	11:16:05	0.015
15	09/10/2020	11:31:05	0.016
16	09/10/2020	11:46:05	0.016
17	09/10/2020	12:01:05	0.015
18	09/10/2020	12:16:05	0.016
19	09/10/2020	12:31:05	0.015
20	09/10/2020	12:46:05	0.015
21	09/10/2020	13:01:05	0.025
22	09/10/2020	13:16:05	0.014
23	09/10/2020	13:31:05	0.015
24	09/10/2020	13:46:05	0.016
25	09/10/2020	14:01:05	0.016
26	09/10/2020	14:16:05	0.022

Test 009

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/15/2020
Instrument S/N	8530142616	Start Time	07:03:01
		Stop Date	09/15/2020
		Stop Time	14:18:01
		Total Time	0:07:15:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/15/2020	07:18:01	0.007
2	09/15/2020	07:33:01	0.006
3	09/15/2020	07:48:01	0.006
4	09/15/2020	08:03:01	0.007
5	09/15/2020	08:18:01	0.009
6	09/15/2020	08:33:01	0.008
7	09/15/2020	08:48:01	0.009
8	09/15/2020	09:03:01	0.009
9	09/15/2020	09:18:01	0.007
10	09/15/2020	09:33:01	0.006
11	09/15/2020	09:48:01	0.006
12	09/15/2020	10:03:01	0.005
13	09/15/2020	10:18:01	0.005
14	09/15/2020	10:33:01	0.007
15	09/15/2020	10:48:01	0.006
16	09/15/2020	11:03:01	0.005
17	09/15/2020	11:18:01	0.004
18	09/15/2020	11:33:01	0.002
19	09/15/2020	11:48:01	0.002
20	09/15/2020	12:03:01	0.001
21	09/15/2020	12:18:01	0.001
22	09/15/2020	12:33:01	0.001
23	09/15/2020	12:48:01	0.001
24	09/15/2020	13:03:01	0.001
25	09/15/2020	13:18:01	0.001
26	09/15/2020	13:33:01	0.001
27	09/15/2020	13:48:01	0.001
28	09/15/2020	14:03:01	0.000
29	09/15/2020	14:18:01	0.000

Test 010

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/16/2020
Instrument S/N	8530142616	Start Time	05:55:54
		Stop Date	09/16/2020
		Stop Time	13:40:54
		Total Time	0:07:45:00
		Logging Interval	900 seconds

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
1	09/16/2020	06:10:54	0.002
2	09/16/2020	06:25:54	0.001
3	09/16/2020	06:40:54	0.001
4	09/16/2020	06:55:54	0.003
5	09/16/2020	07:10:54	0.002
6	09/16/2020	07:25:54	0.003
7	09/16/2020	07:40:54	0.002
8	09/16/2020	07:55:54	0.002
9	09/16/2020	08:10:54	0.002
10	09/16/2020	08:25:54	0.010
11	09/16/2020	08:40:54	0.004
12	09/16/2020	08:55:54	0.005
13	09/16/2020	09:10:54	0.004
14	09/16/2020	09:25:54	0.003
15	09/16/2020	09:40:54	0.004
16	09/16/2020	09:55:54	0.003
17	09/16/2020	10:10:54	0.002
18	09/16/2020	10:25:54	0.002
19	09/16/2020	10:40:54	0.002
20	09/16/2020	10:55:54	0.003
21	09/16/2020	11:10:54	0.001
22	09/16/2020	11:25:54	0.001
23	09/16/2020	11:40:54	0.001
24	09/16/2020	11:55:54	0.001
25	09/16/2020	12:10:54	0.001
26	09/16/2020	12:25:54	0.002
27	09/16/2020	12:40:54	0.002
28	09/16/2020	12:55:54	0.007
29	09/16/2020	13:10:54	0.004
30	09/16/2020	13:25:54	0.001
31	09/16/2020	13:40:54	0.001

Test 039

Instrument		Data Properties	
Model	DustTrak II	Start Date	09/25/2020
Instrument S/N	8530114008	Start Time	06:39:56
		Stop Date	09/25/2020
		Stop Time	12:39:56
		Total Time	0:06:00:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.033 mg/m ³
Max	0.072 mg/m ³
Max Date	09/25/2020
Max Time	12:09:56
Min	0.023 mg/m ³
Min Date	09/25/2020
Min Time	11:09:56
TWA (8 hr)	0.024
TWA Start Date	09/25/2020
TWA Start Time	06:39:56
TWA End Time	12:39:56

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	09/25/2020	06:54:56	0.039
2	09/25/2020	07:09:56	0.041
3	09/25/2020	07:24:56	0.049
4	09/25/2020	07:39:56	0.044
5	09/25/2020	07:54:56	0.040
6	09/25/2020	08:09:56	0.042
7	09/25/2020	08:24:56	0.038
8	09/25/2020	08:39:56	0.034
9	09/25/2020	08:54:56	0.031
10	09/25/2020	09:09:56	0.029
11	09/25/2020	09:24:56	0.029
12	09/25/2020	09:39:56	0.028
13	09/25/2020	09:54:56	0.026
14	09/25/2020	10:09:56	0.025
15	09/25/2020	10:24:56	0.025
16	09/25/2020	10:39:56	0.025
17	09/25/2020	10:54:56	0.025
18	09/25/2020	11:09:56	0.023
19	09/25/2020	11:24:56	0.023
20	09/25/2020	11:39:56	0.023
21	09/25/2020	11:54:56	0.023

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
22	09/25/2020	12:09:56	0.072
23	09/25/2020	12:24:56	0.024
24	09/25/2020	12:39:56	0.025

Test 001

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/20/2020
Instrument S/N	8530182201	Start Time	07:22:30
		Stop Date	10/20/2020
		Stop Time	13:52:30
		Total Time	0:06:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m ³
Max	0.180 mg/m ³
Max Date	10/20/2020
Max Time	10:07:30
Min	0.004 mg/m ³
Min Date	10/20/2020
Min Time	08:22:30
TWA (8 hr)	0.013
TWA Start Date	10/20/2020
TWA Start Time	07:22:30
TWA End Time	13:52:30

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	10/20/2020	07:37:30	0.007
2	10/20/2020	07:52:30	0.011
3	10/20/2020	08:07:30	0.011
4	10/20/2020	08:22:30	0.004
5	10/20/2020	08:37:30	0.006
6	10/20/2020	08:52:30	0.008
7	10/20/2020	09:07:30	0.004
8	10/20/2020	09:22:30	0.006
9	10/20/2020	09:37:30	0.018
10	10/20/2020	09:52:30	0.011
11	10/20/2020	10:07:30	0.180
12	10/20/2020	10:22:30	0.018
13	10/20/2020	10:37:30	0.009
14	10/20/2020	10:52:30	0.017
15	10/20/2020	11:07:30	0.020
16	10/20/2020	11:22:30	0.013
17	10/20/2020	11:37:30	0.006
18	10/20/2020	11:52:30	0.006
19	10/20/2020	12:07:30	0.007
20	10/20/2020	12:22:30	0.009
21	10/20/2020	12:37:30	0.009

Test Data			
Data Point	Date	Time	AEROSOL mg/m^3
22	10/20/2020	12:52:30	0.009
23	10/20/2020	13:07:30	0.007
24	10/20/2020	13:22:30	0.008
25	10/20/2020	13:37:30	0.008
26	10/20/2020	13:52:30	0.008

Test 002

Instrument		Data Properties	
Model	DustTrak II	Start Date	10/21/2020
Instrument S/N	8530182201	Start Time	07:04:49
		Stop Date	10/21/2020
		Stop Time	11:34:49
		Total Time	0:04:30:00
		Logging Interval	900 seconds

Statistics	
	AEROSOL
Avg	0.016 mg/m ³
Max	0.023 mg/m ³
Max Date	10/21/2020
Max Time	10:49:49
Min	0.010 mg/m ³
Min Date	10/21/2020
Min Time	09:49:49
TWA (8 hr)	0.009
TWA Start Date	10/21/2020
TWA Start Time	07:04:49
TWA End Time	11:34:49

Test Data			
Data Point	Date	Time	AEROSOL mg/m ³
1	10/21/2020	07:19:49	0.013
2	10/21/2020	07:34:49	0.014
3	10/21/2020	07:49:49	0.013
4	10/21/2020	08:04:49	0.014
5	10/21/2020	08:19:49	0.014
6	10/21/2020	08:34:49	0.014
7	10/21/2020	08:49:49	0.013
8	10/21/2020	09:04:49	0.012
9	10/21/2020	09:19:49	0.011
10	10/21/2020	09:34:49	0.011
11	10/21/2020	09:49:49	0.010
12	10/21/2020	10:04:49	0.017
13	10/21/2020	10:19:49	0.022
14	10/21/2020	10:34:49	0.022
15	10/21/2020	10:49:49	0.023
16	10/21/2020	11:04:49	0.023
17	10/21/2020	11:19:49	0.023
18	10/21/2020	11:34:49	0.022

Upwind VOC

=====

20/06/17 08:47

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-915420

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/17/2020 8:47

End 6/17/2020 14:27

Sample Period(s) 60

Number of Records 339

Sensor PID(ppm)

Sensor SN S023030086S9

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:25

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	6/17/2020 8:48		0	0	0
2	6/17/2020 8:49		0	0	0
3	6/17/2020 8:50		0	0	0
4	6/17/2020 8:51		0	0	0
5	6/17/2020 8:52		0	0	0

6	6/17/2020 8:53	0	0	0
7	6/17/2020 8:54	0	0	0
8	6/17/2020 8:55	0	0	0
9	6/17/2020 8:56	0	0	0
10	6/17/2020 8:57	0	0	0
11	6/17/2020 8:58	0	0	0
12	6/17/2020 8:59	0	0	0
13	6/17/2020 9:00	0	0	0
14	6/17/2020 9:01	0	0	0
15	6/17/2020 9:02	0	0	0
16	6/17/2020 9:03	0	0	0
17	6/17/2020 9:04	0	0	0
18	6/17/2020 9:05	0	0	0
19	6/17/2020 9:06	0	0	0
20	6/17/2020 9:07	0	0	0
21	6/17/2020 9:08	0	0	0
22	6/17/2020 9:09	0	0	0
23	6/17/2020 9:10	0	0	0
24	6/17/2020 9:11	0	0	0
25	6/17/2020 9:12	0	0	0
26	6/17/2020 9:13	0	0	0
27	6/17/2020 9:14	0	0	0
28	6/17/2020 9:15	0	0	0
29	6/17/2020 9:16	0	0	0
30	6/17/2020 9:17	0	0	0
31	6/17/2020 9:18	0	0	0
32	6/17/2020 9:19	0	0	0
33	6/17/2020 9:20	0	0	0
34	6/17/2020 9:21	0	0	0
35	6/17/2020 9:22	0	0	0
36	6/17/2020 9:23	0	0	0
37	6/17/2020 9:24	0	0	0
38	6/17/2020 9:25	0	0	0
39	6/17/2020 9:26	0	0	0
40	6/17/2020 9:27	0	0	0
41	6/17/2020 9:28	0	0	0
42	6/17/2020 9:29	0	0	0
43	6/17/2020 9:30	0	0	0
44	6/17/2020 9:31	0	0	0
45	6/17/2020 9:32	0	0	0
46	6/17/2020 9:33	0	0	0
47	6/17/2020 9:34	0	0	0
48	6/17/2020 9:35	0	0	0
49	6/17/2020 9:36	0	0	0
50	6/17/2020 9:37	0	0	0
51	6/17/2020 9:38	0	0	0
52	6/17/2020 9:39	0	0	0

53	6/17/2020 9:40	0	0	0
54	6/17/2020 9:41	0	0	0
55	6/17/2020 9:42	0	0	0
56	6/17/2020 9:43	0	0	0
57	6/17/2020 9:44	0	0	0
58	6/17/2020 9:45	0	0	0
59	6/17/2020 9:46	0	0	0
60	6/17/2020 9:47	0	0	0
61	6/17/2020 9:48	0	0	0
62	6/17/2020 9:49	0	0	0
63	6/17/2020 9:50	0	0	0
64	6/17/2020 9:51	0	0	0
65	6/17/2020 9:52	0	0	0
66	6/17/2020 9:53	0	0	0
67	6/17/2020 9:54	0	0	0
68	6/17/2020 9:55	0	0	0
69	6/17/2020 9:56	0	0	0
70	6/17/2020 9:57	0	0	0
71	6/17/2020 9:58	0	0	0
72	6/17/2020 9:59	0	0	0
73	6/17/2020 10:00	0	0	0
74	6/17/2020 10:01	0	0	0
75	6/17/2020 10:02	0	0	0
76	6/17/2020 10:03	0	0	0
77	6/17/2020 10:04	0	0	0
78	6/17/2020 10:05	0	0	0
79	6/17/2020 10:06	0	0	0
80	6/17/2020 10:07	0	0	0
81	6/17/2020 10:08	0	0	0
82	6/17/2020 10:09	0	0	0
83	6/17/2020 10:10	0	0	0
84	6/17/2020 10:11	0	0	0
85	6/17/2020 10:12	0	0	0
86	6/17/2020 10:13	0	0	0
87	6/17/2020 10:14	0	0	0
88	6/17/2020 10:15	0	0	0
89	6/17/2020 10:16	0	0	0
90	6/17/2020 10:17	0	0	0
91	6/17/2020 10:18	0	0	0
92	6/17/2020 10:19	0	0	0
93	6/17/2020 10:20	0	0	0
94	6/17/2020 10:21	0	0	0
95	6/17/2020 10:22	0	0	0
96	6/17/2020 10:23	0	0	0
97	6/17/2020 10:24	0	0	0
98	6/17/2020 10:25	0	0	0
99	6/17/2020 10:26	0	0	0

100	6/17/2020 10:27	0	0	0
101	6/17/2020 10:28	0	0	0
102	6/17/2020 10:29	0	0	0
103	6/17/2020 10:30	0	0	0
104	6/17/2020 10:31	0	0	0
105	6/17/2020 10:32	0	0	0
106	6/17/2020 10:33	0	0	0
107	6/17/2020 10:34	0	0	0
108	6/17/2020 10:35	0	0	0
109	6/17/2020 10:36	0	0	0
110	6/17/2020 10:37	0	0	0
111	6/17/2020 10:38	0	0	0
112	6/17/2020 10:39	0	0	0
113	6/17/2020 10:40	0	0	0
114	6/17/2020 10:41	0	0	0
115	6/17/2020 10:42	0	0	0
116	6/17/2020 10:43	0	0	0
117	6/17/2020 10:44	0	0	0
118	6/17/2020 10:45	0	0	0
119	6/17/2020 10:46	0	0	0
120	6/17/2020 10:47	0	0	0
121	6/17/2020 10:48	0	0	0
122	6/17/2020 10:49	0	0	0
123	6/17/2020 10:50	0	0	0
124	6/17/2020 10:51	0	0	0
125	6/17/2020 10:52	0	0	0
126	6/17/2020 10:53	0	0	0
127	6/17/2020 10:54	0	0	0
128	6/17/2020 10:55	0	0	0
129	6/17/2020 10:56	0	0	0
130	6/17/2020 10:57	0	0	0
131	6/17/2020 10:58	0	0	0
132	6/17/2020 10:59	0	0	0
133	6/17/2020 11:00	0	0	0
134	6/17/2020 11:01	0	0	0
135	6/17/2020 11:02	0	0	0
136	6/17/2020 11:03	0	0	0
137	6/17/2020 11:04	0	0	0
138	6/17/2020 11:05	0	0	0
139	6/17/2020 11:06	0	0	0
140	6/17/2020 11:07	0	0	0
141	6/17/2020 11:08	0	0	0
142	6/17/2020 11:09	0	0	0
143	6/17/2020 11:10	0	0	0
144	6/17/2020 11:11	0	0	0
145	6/17/2020 11:12	0	0	0
146	6/17/2020 11:13	0	0	0

147	6/17/2020 11:14	0	0	0
148	6/17/2020 11:15	0	0	0
149	6/17/2020 11:16	0	0	0
150	6/17/2020 11:17	0	0	0
151	6/17/2020 11:18	0	0	0
152	6/17/2020 11:19	0	0	0
153	6/17/2020 11:20	0	0	0
154	6/17/2020 11:21	0	0	0
155	6/17/2020 11:22	0	0	0
156	6/17/2020 11:23	0	0	0
157	6/17/2020 11:24	0	0	0
158	6/17/2020 11:25	0	0	0
159	6/17/2020 11:26	0	0	0
160	6/17/2020 11:27	0	0	0
161	6/17/2020 11:28	0	0	0
162	6/17/2020 11:29	0	0	0
163	6/17/2020 11:30	0	0	0
164	6/17/2020 11:31	0	0	0
165	6/17/2020 11:32	0	0	0
166	6/17/2020 11:33	0	0	0
167	6/17/2020 11:34	0	0	0
168	6/17/2020 11:35	0	0	0
169	6/17/2020 11:36	0	0	0
170	6/17/2020 11:37	0	0	0
171	6/17/2020 11:38	0	0	0
172	6/17/2020 11:39	0	0	0
173	6/17/2020 11:40	0	0	0
174	6/17/2020 11:41	0	0	0
175	6/17/2020 11:42	0	0	0
176	6/17/2020 11:43	0	0	0
177	6/17/2020 11:44	0	0	0
178	6/17/2020 11:45	0	0	0
179	6/17/2020 11:46	0	0	0
180	6/17/2020 11:47	0	0	0
181	6/17/2020 11:48	0	0	0
182	6/17/2020 11:49	0	0	0
183	6/17/2020 11:50	0	0	0
184	6/17/2020 11:51	0	0	0
185	6/17/2020 11:52	0	0	0
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337	6/17/2020 14:24	0	0	0
338	6/17/2020 14:25	0	0	0
339	6/17/2020 14:26	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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3	6/17/2020 8:50	0 ---	
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333	6/17/2020 14:20	0	0
334	6/17/2020 14:21	0	0
335	6/17/2020 14:22	0	0
336	6/17/2020 14:23	0	0
337	6/17/2020 14:24	0	0
338	6/17/2020 14:25	0	0
339	6/17/2020 14:26	0	0

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20/06/18 07:25

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-915420

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/18/2020 7:25

End 6/18/2020 14:55

Sample Period(s) 60

Number of Records 449

Sensor PID(ppm)

Sensor SN S023030086S9

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:25

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	6/18/2020 7:26		0	0	0
2	6/18/2020 7:27		0	0	0
3	6/18/2020 7:28		0	0	0
4	6/18/2020 7:29		0	0	0
5	6/18/2020 7:30		0	0	0

6	6/18/2020 7:31	0	0	0
7	6/18/2020 7:32	0	0	0
8	6/18/2020 7:33	0	0	0
9	6/18/2020 7:34	0	0	0
10	6/18/2020 7:35	0	0	0
11	6/18/2020 7:36	0	0	0
12	6/18/2020 7:37	0	0	0
13	6/18/2020 7:38	0	0	0
14	6/18/2020 7:39	0	0	0
15	6/18/2020 7:40	0	0	0
16	6/18/2020 7:41	0	0	0
17	6/18/2020 7:42	0	0	0
18	6/18/2020 7:43	0	0	0
19	6/18/2020 7:44	0	0	0
20	6/18/2020 7:45	0	0	0
21	6/18/2020 7:46	0	0	0
22	6/18/2020 7:47	0	0	0
23	6/18/2020 7:48	0	0	0
24	6/18/2020 7:49	0	0	0
25	6/18/2020 7:50	0	0	0
26	6/18/2020 7:51	0	0	0
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34	6/18/2020 7:59	0	0	0
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36	6/18/2020 8:01	0	0	0
37	6/18/2020 8:02	0	0	0
38	6/18/2020 8:03	0	0	0
39	6/18/2020 8:04	0	0	0
40	6/18/2020 8:05	0	0	0
41	6/18/2020 8:06	0	0	0
42	6/18/2020 8:07	0	0	0
43	6/18/2020 8:08	0	0	0
44	6/18/2020 8:09	0	0	0
45	6/18/2020 8:10	0	0	0
46	6/18/2020 8:11	0	0	0
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49	6/18/2020 8:14	0	0	0
50	6/18/2020 8:15	0	0	0
51	6/18/2020 8:16	0	0	0
52	6/18/2020 8:17	0	0	0

53	6/18/2020 8:18	0	0	0
54	6/18/2020 8:19	0	0	0
55	6/18/2020 8:20	0	0	0
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57	6/18/2020 8:22	0	0	0
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403	6/18/2020 14:08	0	0	0
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430	6/18/2020 14:35	0	0	0
431	6/18/2020 14:36	0	0	0
432	6/18/2020 14:37	0	0	0
433	6/18/2020 14:38	0	0	0
434	6/18/2020 14:39	0	0	0
435	6/18/2020 14:40	0	0	0
436	6/18/2020 14:41	0	0	0
437	6/18/2020 14:42	0	0	0
438	6/18/2020 14:43	0	0	0
439	6/18/2020 14:44	0	0	0
440	6/18/2020 14:45	0	0	0
441	6/18/2020 14:46	0	0	0
442	6/18/2020 14:47	0	0	0
443	6/18/2020 14:48	0	0	0
444	6/18/2020 14:49	0	0	0
445	6/18/2020 14:50	0	0	0
446	6/18/2020 14:51	0	0	0
447	6/18/2020 14:52	0	0	0
448	6/18/2020 14:53	0	0	0
449	6/18/2020 14:54	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	6/18/2020 7:26		0 ---
2	6/18/2020 7:27		0 ---
3	6/18/2020 7:28		0 ---
4	6/18/2020 7:29		0 ---
5	6/18/2020 7:30		0 ---
6	6/18/2020 7:31		0 ---
7	6/18/2020 7:32		0 ---
8	6/18/2020 7:33		0 ---
9	6/18/2020 7:34		0 ---
10	6/18/2020 7:35		0 ---
11	6/18/2020 7:36		0 ---
12	6/18/2020 7:37		0 ---
13	6/18/2020 7:38		0 ---
14	6/18/2020 7:39		0 ---
15	6/18/2020 7:40	0	0
16	6/18/2020 7:41	0	0
17	6/18/2020 7:42	0	0
18	6/18/2020 7:43	0	0

19	6/18/2020 7:44	0	0
20	6/18/2020 7:45	0	0
21	6/18/2020 7:46	0	0
22	6/18/2020 7:47	0	0
23	6/18/2020 7:48	0	0
24	6/18/2020 7:49	0	0
25	6/18/2020 7:50	0	0
26	6/18/2020 7:51	0	0
27	6/18/2020 7:52	0	0
28	6/18/2020 7:53	0	0
29	6/18/2020 7:54	0	0
30	6/18/2020 7:55	0	0
31	6/18/2020 7:56	0	0
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33	6/18/2020 7:58	0	0
34	6/18/2020 7:59	0	0
35	6/18/2020 8:00	0	0
36	6/18/2020 8:01	0	0
37	6/18/2020 8:02	0	0
38	6/18/2020 8:03	0	0
39	6/18/2020 8:04	0	0
40	6/18/2020 8:05	0	0
41	6/18/2020 8:06	0	0
42	6/18/2020 8:07	0	0
43	6/18/2020 8:08	0	0
44	6/18/2020 8:09	0	0
45	6/18/2020 8:10	0	0
46	6/18/2020 8:11	0	0
47	6/18/2020 8:12	0	0
48	6/18/2020 8:13	0	0
49	6/18/2020 8:14	0	0
50	6/18/2020 8:15	0	0
51	6/18/2020 8:16	0	0
52	6/18/2020 8:17	0	0
53	6/18/2020 8:18	0	0
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55	6/18/2020 8:20	0	0
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57	6/18/2020 8:22	0	0
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59	6/18/2020 8:24	0	0
60	6/18/2020 8:25	0	0
61	6/18/2020 8:26	0	0
62	6/18/2020 8:27	0	0
63	6/18/2020 8:28	0	0
64	6/18/2020 8:29	0	0
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73	6/18/2020 8:38	0	0
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75	6/18/2020 8:40	0	0
76	6/18/2020 8:41	0	0
77	6/18/2020 8:42	0	0
78	6/18/2020 8:43	0	0
79	6/18/2020 8:44	0	0
80	6/18/2020 8:45	0	0
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82	6/18/2020 8:47	0	0
83	6/18/2020 8:48	0	0
84	6/18/2020 8:49	0	0
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93	6/18/2020 8:58	0	0
94	6/18/2020 8:59	0	0
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96	6/18/2020 9:01	0	0
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106	6/18/2020 9:11	0	0
107	6/18/2020 9:12	0	0
108	6/18/2020 9:13	0	0
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116	6/18/2020 9:21	0	0
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449	6/18/2020 14:54	0	0

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20/06/19 07:32

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-915420

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/19/2020 7:32

End 6/19/2020 17:26

Sample Period(s) 60

Number of Records 593

Sensor PID(ppm)

Sensor SN S023030086S9

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:25

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
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2	6/19/2020 7:34		0	0	0
3	6/19/2020 7:35		0	0	0
4	6/19/2020 7:36		0	0	0
5	6/19/2020 7:37		0	0	0

6	6/19/2020 7:38	0	0	0
7	6/19/2020 7:39	0	0	0
8	6/19/2020 7:40	0	0	0
9	6/19/2020 7:41	0	0	0
10	6/19/2020 7:42	0	0	0
11	6/19/2020 7:43	0	0	0
12	6/19/2020 7:44	0	0	0
13	6/19/2020 7:45	0	0	0
14	6/19/2020 7:46	0	0	0
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593	6/19/2020 17:25	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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3	6/19/2020 7:35		0 ---
4	6/19/2020 7:36		0 ---
5	6/19/2020 7:37		0 ---
6	6/19/2020 7:38		0 ---
7	6/19/2020 7:39		0 ---
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9	6/19/2020 7:41		0 ---
10	6/19/2020 7:42		0 ---
11	6/19/2020 7:43		0 ---
12	6/19/2020 7:44		0 ---
13	6/19/2020 7:45		0 ---
14	6/19/2020 7:46		0 ---
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20/06/22 07:50

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-915420
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 6/22/2020 7:50
End 6/22/2020 14:37
Sample Period(s) 60
Number of Records 407

Sensor PID(ppm)
Sensor SN S023030086S9
Measure Type Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurement Gas Isobutylene
Calibration Time 6/16/2020 14:25
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
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2	6/22/2020 7:52		0	0	0
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4	6/22/2020 7:54		0	0	0
5	6/22/2020 7:55		0	0	0

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406	6/22/2020 14:36	0	0	0
407	6/22/2020 14:37	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
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2	6/22/2020 7:52		0 ---
3	6/22/2020 7:53		0 ---
4	6/22/2020 7:54		0 ---
5	6/22/2020 7:55		0 ---
6	6/22/2020 7:56		0 ---
7	6/22/2020 7:57		0 ---
8	6/22/2020 7:58		0 ---
9	6/22/2020 7:59		0 ---
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11	6/22/2020 8:01		0 ---
12	6/22/2020 8:02		0 ---
13	6/22/2020 8:03		0 ---

14	6/22/2020 8:04	0 ---	
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310	6/22/2020 13:00	0	0
311	6/22/2020 13:01	0	0
312	6/22/2020 13:02	0	0
313	6/22/2020 13:03	0	0
314	6/22/2020 13:04	0	0
315	6/22/2020 13:05	0	0
316	6/22/2020 13:06	0	0
317	6/22/2020 13:07	0	0
318	6/22/2020 13:08	0	0
319	6/22/2020 13:09	0	0
320	6/22/2020 13:10	0	0
321	6/22/2020 13:11	0	0
322	6/22/2020 13:12	0	0
323	6/22/2020 13:13	0	0
324	6/22/2020 13:14	0	0
325	6/22/2020 13:15	0	0
326	6/22/2020 13:16	0	0
327	6/22/2020 13:17	0	0
328	6/22/2020 13:18	0	0
329	6/22/2020 13:19	0	0
330	6/22/2020 13:20	0	0
331	6/22/2020 13:21	0	0
332	6/22/2020 13:22	0	0
333	6/22/2020 13:23	0	0
334	6/22/2020 13:24	0	0
335	6/22/2020 13:25	0	0
336	6/22/2020 13:26	0	0
337	6/22/2020 13:27	0	0
338	6/22/2020 13:28	0	0
339	6/22/2020 13:29	0	0
340	6/22/2020 13:30	0	0
341	6/22/2020 13:31	0	0
342	6/22/2020 13:32	0	0

343	6/22/2020 13:33	0	0
344	6/22/2020 13:34	0	0
345	6/22/2020 13:35	0	0
346	6/22/2020 13:36	0	0
347	6/22/2020 13:37	0	0
348	6/22/2020 13:38	0	0
349	6/22/2020 13:39	0	0
350	6/22/2020 13:40	0	0
351	6/22/2020 13:41	0	0
352	6/22/2020 13:42	0	0
353	6/22/2020 13:43	0	0
354	6/22/2020 13:44	0	0
355	6/22/2020 13:45	0	0
356	6/22/2020 13:46	0	0
357	6/22/2020 13:47	0	0
358	6/22/2020 13:48	0	0
359	6/22/2020 13:49	0	0
360	6/22/2020 13:50	0	0
361	6/22/2020 13:51	0	0
362	6/22/2020 13:52	0	0
363	6/22/2020 13:53	0	0
364	6/22/2020 13:54	0	0
365	6/22/2020 13:55	0	0
366	6/22/2020 13:56	0	0
367	6/22/2020 13:57	0	0
368	6/22/2020 13:58	0	0
369	6/22/2020 13:59	0	0
370	6/22/2020 14:00	0	0
371	6/22/2020 14:01	0	0
372	6/22/2020 14:02	0	0
373	6/22/2020 14:03	0	0
374	6/22/2020 14:04	0	0
375	6/22/2020 14:05	0	0
376	6/22/2020 14:06	0	0
377	6/22/2020 14:07	0	0
378	6/22/2020 14:08	0	0
379	6/22/2020 14:09	0	0
380	6/22/2020 14:10	0	0
381	6/22/2020 14:11	0	0
382	6/22/2020 14:12	0	0
383	6/22/2020 14:13	0	0
384	6/22/2020 14:14	0	0
385	6/22/2020 14:15	0	0
386	6/22/2020 14:16	0	0
387	6/22/2020 14:17	0	0
388	6/22/2020 14:18	0	0
389	6/22/2020 14:19	0	0

390	6/22/2020 14:20	0	0
391	6/22/2020 14:21	0	0
392	6/22/2020 14:22	0	0
393	6/22/2020 14:23	0	0
394	6/22/2020 14:24	0	0
395	6/22/2020 14:25	0	0
396	6/22/2020 14:26	0	0
397	6/22/2020 14:27	0	0
398	6/22/2020 14:28	0	0
399	6/22/2020 14:29	0	0
400	6/22/2020 14:30	0	0
401	6/22/2020 14:31	0	0
402	6/22/2020 14:32	0	0
403	6/22/2020 14:33	0	0
404	6/22/2020 14:34	0	0
405	6/22/2020 14:35	0	0
406	6/22/2020 14:36	0	0
407	6/22/2020 14:37	0	0

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20/09/09 12:28

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910739
Unit Firmware Ver V2.20

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/9/2020 12:28:49
End 9/9/2020 12:28:57
Sample Period(s) 60
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030002S8
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 12:25

Datalog

0 record.

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20/09/10 08:00

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910739
Unit Firmware Ver V2.20

Running Mode Hygiene Mode

Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Menu Mode

Site ID 12345678
User ID 12345678

Begin 9/10/2020 08:00:49
End 9/10/2020 08:13:53
Sample Period(s) 60
Number of Records 13

Sensor PID(ppm)
Sensor SN S023030002S8
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 12:25
Peak 1.0
Min 0.3
Average 0.6

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	9/10/2020 08:01:49	0.9	1.0	0.8	
002	9/10/2020 08:02:49	0.9	1.1	1.0	
003	9/10/2020 08:03:49	0.9	1.1	0.7	
004	9/10/2020 08:04:49	0.7	0.8	0.7	
005	9/10/2020 08:05:49	0.6	0.7	0.6	
006	9/10/2020 08:06:49	0.6	0.7	0.6	
007	9/10/2020 08:07:49	0.5	0.6	0.5	
008	9/10/2020 08:08:49	0.5	0.6	0.6	
009	9/10/2020 08:09:49	0.5	0.6	0.5	
010	9/10/2020 08:10:49	0.6	0.7	0.5	
011	9/10/2020 08:11:49	0.5	0.7	0.4	
012	9/10/2020 08:12:49	0.4	0.5	0.4	
013	9/10/2020 08:13:49	0.4	0.5	0.3	
Peak		0.9	1.1	1.0	
Min		0.4	0.5	0.3	
Average		0.6	0.7	0.6	

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
001	9/10/2020 08:01:49	0.0	0.0	---
002	9/10/2020 08:02:49	0.0	0.0	---
003	9/10/2020 08:03:49	0.0	0.0	---
004	9/10/2020 08:04:49	0.0	0.0	---
005	9/10/2020 08:05:49	0.0	0.0	---
006	9/10/2020 08:06:49	0.0	0.0	---
007	9/10/2020 08:07:49	0.0	0.0	---
008	9/10/2020 08:08:49	0.0	0.0	---
009	9/10/2020 08:09:49	0.0	0.0	---
010	9/10/2020 08:10:49	0.0	0.0	---
011	9/10/2020 08:11:49	0.0	0.0	---
012	9/10/2020 08:12:49	0.0	0.0	---
013	9/10/2020 08:13:49	0.0	0.0	---

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20/09/10 08:15

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-910739
Unit Firmware Ver V2.20

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/10/2020 08:15:10
End 9/10/2020 14:39:41
Sample Period(s) 60
Number of Records 384

Sensor PID(ppm)
Sensor SN S023030002S8
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 12:25

Peak 2.7
Min 0.0
Average 0.0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	9/10/2020 08:16:10		0.0	0.0	0.0
002	9/10/2020 08:17:10		0.0	0.0	0.0
003	9/10/2020 08:18:10		0.0	0.0	0.0
004	9/10/2020 08:19:10		0.0	0.0	0.0
005	9/10/2020 08:20:10		0.0	0.0	0.0
006	9/10/2020 08:21:10		0.0	0.0	0.0
007	9/10/2020 08:22:10		0.0	0.0	0.0
008	9/10/2020 08:23:10		0.0	0.0	0.0
009	9/10/2020 08:24:10		0.0	0.0	0.0
010	9/10/2020 08:25:10		0.0	0.0	0.0
011	9/10/2020 08:26:10		0.0	0.0	0.0
012	9/10/2020 08:27:10		0.0	0.0	0.0
013	9/10/2020 08:28:10		0.0	0.0	0.0
014	9/10/2020 08:29:10		0.0	0.0	0.0
015	9/10/2020 08:30:10		0.0	0.0	0.0
016	9/10/2020 08:31:10		0.0	0.0	0.0
017	9/10/2020 08:32:10		0.0	0.0	0.0
018	9/10/2020 08:33:10		0.0	0.0	0.0
019	9/10/2020 08:34:10		0.0	0.0	0.0
020	9/10/2020 08:35:10		0.0	0.0	0.0
021	9/10/2020 08:36:10		0.0	0.0	0.0
022	9/10/2020 08:37:10		0.0	0.0	0.0
023	9/10/2020 08:38:10		0.0	0.0	0.0
024	9/10/2020 08:39:10		0.0	0.0	0.0
025	9/10/2020 08:40:10		0.0	0.0	0.0
026	9/10/2020 08:41:10		0.0	0.0	0.0
027	9/10/2020 08:42:10		0.0	0.0	0.0
028	9/10/2020 08:43:10		0.0	0.0	0.0
029	9/10/2020 08:44:10		0.0	0.0	0.0
030	9/10/2020 08:45:10		0.0	0.0	0.0
031	9/10/2020 08:46:10		0.0	0.0	0.0
032	9/10/2020 08:47:10		0.0	0.0	0.0
033	9/10/2020 08:48:10		0.0	0.0	0.0
034	9/10/2020 08:49:10		0.0	0.0	0.0
035	9/10/2020 08:50:10		0.0	0.0	0.0
036	9/10/2020 08:51:10		0.0	0.0	0.0
037	9/10/2020 08:52:10		0.0	0.0	0.0
038	9/10/2020 08:53:10		0.0	0.0	0.0
039	9/10/2020 08:54:10		0.0	0.0	0.0
040	9/10/2020 08:55:10		0.0	0.0	0.0
041	9/10/2020 08:56:10		0.0	0.0	0.0
042	9/10/2020 08:57:10		0.0	0.0	0.0

043	9/10/2020 08:58:10	0.0	0.0	0.0
044	9/10/2020 08:59:10	0.0	0.0	0.0
045	9/10/2020 09:00:10	0.0	0.0	0.0
046	9/10/2020 09:01:10	0.0	0.0	0.0
047	9/10/2020 09:02:10	0.0	0.0	0.0
048	9/10/2020 09:03:10	0.0	0.0	0.0
049	9/10/2020 09:04:10	0.0	0.0	0.0
050	9/10/2020 09:05:10	0.0	0.0	0.0
051	9/10/2020 09:06:10	0.0	0.0	0.0
052	9/10/2020 09:07:10	0.0	0.0	0.0
053	9/10/2020 09:08:10	0.0	0.0	0.0
054	9/10/2020 09:09:10	0.0	0.0	0.0
055	9/10/2020 09:10:10	0.0	0.0	0.0
056	9/10/2020 09:11:10	0.0	0.0	0.0
057	9/10/2020 09:12:10	0.0	0.0	0.0
058	9/10/2020 09:13:10	0.0	0.0	0.0
059	9/10/2020 09:14:10	0.0	0.0	0.0
060	9/10/2020 09:15:10	0.0	0.0	0.0
061	9/10/2020 09:16:10	0.0	0.0	0.0
062	9/10/2020 09:17:10	0.0	0.0	0.0
063	9/10/2020 09:18:10	0.0	0.0	0.0
064	9/10/2020 09:19:10	0.0	0.0	0.0
065	9/10/2020 09:20:10	0.0	0.0	0.0
066	9/10/2020 09:21:10	0.0	0.0	0.0
067	9/10/2020 09:22:10	0.0	0.0	0.0
068	9/10/2020 09:23:10	0.0	0.0	0.0
069	9/10/2020 09:24:10	0.0	0.0	0.0
070	9/10/2020 09:25:10	0.0	0.0	0.0
071	9/10/2020 09:26:10	0.0	0.0	0.0
072	9/10/2020 09:27:10	0.0	0.0	0.0
073	9/10/2020 09:28:10	0.0	0.0	0.0
074	9/10/2020 09:29:10	0.0	0.0	0.0
075	9/10/2020 09:30:10	0.0	0.0	0.0
076	9/10/2020 09:31:10	0.0	0.0	0.0
077	9/10/2020 09:32:10	0.0	0.0	0.0
078	9/10/2020 09:33:10	0.0	0.0	0.0
079	9/10/2020 09:34:10	0.0	0.0	0.0
080	9/10/2020 09:35:10	0.0	0.0	0.0
081	9/10/2020 09:36:10	0.0	0.0	0.0
082	9/10/2020 09:37:10	0.0	0.0	0.0
083	9/10/2020 09:38:10	0.0	0.0	0.0
084	9/10/2020 09:39:10	0.0	0.0	0.0
085	9/10/2020 09:40:10	0.0	0.0	0.0
086	9/10/2020 09:41:10	0.0	0.0	0.0
087	9/10/2020 09:42:10	0.0	0.0	0.0
088	9/10/2020 09:43:10	0.0	0.0	0.0
089	9/10/2020 09:44:10	0.0	0.0	0.0
090	9/10/2020 09:45:10	0.0	0.0	0.0
091	9/10/2020 09:46:10	0.0	0.0	0.0
092	9/10/2020 09:47:10	0.0	0.0	0.0

093	9/10/2020 09:48:10	0.0	0.0	0.0
094	9/10/2020 09:49:10	0.0	0.0	0.0
095	9/10/2020 09:50:10	0.0	0.0	0.0
096	9/10/2020 09:51:10	0.0	0.0	0.0
097	9/10/2020 09:52:10	0.0	0.0	0.0
098	9/10/2020 09:53:10	0.0	0.0	0.0
099	9/10/2020 09:54:10	0.0	0.0	0.0
100	9/10/2020 09:55:10	0.0	0.0	0.0
101	9/10/2020 09:56:10	0.0	0.0	0.0
102	9/10/2020 09:57:10	0.0	0.0	0.0
103	9/10/2020 09:58:10	0.0	0.0	0.0
104	9/10/2020 09:59:10	0.0	0.1	0.0
105	9/10/2020 10:00:10	0.0	0.3	0.0
106	9/10/2020 10:01:10	0.0	0.0	0.0
107	9/10/2020 10:02:10	0.0	0.0	0.0
108	9/10/2020 10:03:10	0.0	0.0	0.0
109	9/10/2020 10:04:10	0.0	0.0	0.0
110	9/10/2020 10:05:10	0.0	0.0	0.0
111	9/10/2020 10:06:10	0.0	0.0	0.0
112	9/10/2020 10:07:10	0.0	0.0	0.0
113	9/10/2020 10:08:10	0.0	0.0	0.0
114	9/10/2020 10:09:10	0.0	0.0	0.0
115	9/10/2020 10:10:10	0.0	0.0	0.0
116	9/10/2020 10:11:10	0.0	0.0	0.0
117	9/10/2020 10:12:10	0.0	0.0	0.0
118	9/10/2020 10:13:10	0.0	0.0	0.0
119	9/10/2020 10:14:10	0.0	0.0	0.0
120	9/10/2020 10:15:10	0.0	0.0	0.0
121	9/10/2020 10:16:10	0.0	0.0	0.0
122	9/10/2020 10:17:10	0.0	0.0	0.0
123	9/10/2020 10:18:10	0.0	0.0	0.0
124	9/10/2020 10:19:10	0.0	0.0	0.0
125	9/10/2020 10:20:10	0.0	0.0	0.0
126	9/10/2020 10:21:10	0.0	0.0	0.0
127	9/10/2020 10:22:10	0.0	0.0	0.0
128	9/10/2020 10:23:10	0.0	0.0	0.0
129	9/10/2020 10:24:10	0.0	0.4	0.0
130	9/10/2020 10:25:10	0.0	0.0	0.0
131	9/10/2020 10:26:10	0.0	0.0	0.0
132	9/10/2020 10:27:10	0.0	0.0	0.0
133	9/10/2020 10:28:10	0.0	0.0	0.0
134	9/10/2020 10:29:10	0.0	0.0	0.0
135	9/10/2020 10:30:10	0.0	0.0	0.0
136	9/10/2020 10:31:10	0.0	0.0	0.0
137	9/10/2020 10:32:10	0.0	0.0	0.0
138	9/10/2020 10:33:10	0.0	0.0	0.0
139	9/10/2020 10:34:10	0.0	0.0	0.0
140	9/10/2020 10:35:10	0.0	0.0	0.0
141	9/10/2020 10:36:10	0.0	0.0	0.0
142	9/10/2020 10:37:10	0.0	0.0	0.0

143	9/10/2020 10:38:10	0.0	0.0	0.0
144	9/10/2020 10:39:10	0.0	0.0	0.0
145	9/10/2020 10:40:10	0.0	0.0	0.0
146	9/10/2020 10:41:10	0.0	0.0	0.0
147	9/10/2020 10:42:10	0.0	0.0	0.0
148	9/10/2020 10:43:10	0.0	0.0	0.0
149	9/10/2020 10:44:10	0.0	0.0	0.0
150	9/10/2020 10:45:10	0.5	2.8	2.7
151	9/10/2020 10:46:10	0.2	3.4	0.0
152	9/10/2020 10:47:10	0.0	0.0	0.0
153	9/10/2020 10:48:10	0.0	0.1	0.0
154	9/10/2020 10:49:10	0.0	0.0	0.0
155	9/10/2020 10:50:10	0.0	0.0	0.0
156	9/10/2020 10:51:10	0.0	0.0	0.0
157	9/10/2020 10:52:10	0.0	0.0	0.0
158	9/10/2020 10:53:10	0.0	0.0	0.0
159	9/10/2020 10:54:10	0.0	0.0	0.0
160	9/10/2020 10:55:10	0.0	0.0	0.0
161	9/10/2020 10:56:10	0.0	0.0	0.0
162	9/10/2020 10:57:10	0.0	0.0	0.0
163	9/10/2020 10:58:10	0.0	0.0	0.0
164	9/10/2020 10:59:10	0.0	0.0	0.0
165	9/10/2020 11:00:10	0.0	0.0	0.0
166	9/10/2020 11:01:10	0.0	0.0	0.0
167	9/10/2020 11:02:10	0.0	0.0	0.0
168	9/10/2020 11:03:10	0.0	0.0	0.0
169	9/10/2020 11:04:10	0.0	0.0	0.0
170	9/10/2020 11:05:10	0.0	0.0	0.0
171	9/10/2020 11:06:10	0.0	0.0	0.0
172	9/10/2020 11:07:10	0.0	0.0	0.0
173	9/10/2020 11:08:10	0.0	0.0	0.0
174	9/10/2020 11:09:10	0.0	0.0	0.0
175	9/10/2020 11:10:10	0.0	0.0	0.0
176	9/10/2020 11:11:10	0.0	0.0	0.0
177	9/10/2020 11:12:10	0.0	0.0	0.0
178	9/10/2020 11:13:10	0.0	0.0	0.0
179	9/10/2020 11:14:10	0.0	0.0	0.0
180	9/10/2020 11:15:10	0.0	0.0	0.0
181	9/10/2020 11:16:10	0.0	0.0	0.0
182	9/10/2020 11:17:10	0.0	0.0	0.0
183	9/10/2020 11:18:10	0.0	0.0	0.0
184	9/10/2020 11:19:10	0.0	0.0	0.0
185	9/10/2020 11:20:10	0.0	0.0	0.0
186	9/10/2020 11:21:10	0.0	0.0	0.0
187	9/10/2020 11:22:10	0.0	0.0	0.0
188	9/10/2020 11:23:10	0.0	0.0	0.0
189	9/10/2020 11:24:10	0.0	0.0	0.0
190	9/10/2020 11:25:10	0.0	0.0	0.0
191	9/10/2020 11:26:10	0.0	0.0	0.0
192	9/10/2020 11:27:10	0.0	0.0	0.0

193	9/10/2020	11:28:10	0.0	0.0	0.0
194	9/10/2020	11:29:10	0.0	0.0	0.0
195	9/10/2020	11:30:10	0.0	0.0	0.0
196	9/10/2020	11:31:10	0.0	0.0	0.0
197	9/10/2020	11:32:10	0.0	0.0	0.0
198	9/10/2020	11:33:10	0.0	0.0	0.0
199	9/10/2020	11:34:10	0.0	0.0	0.0
200	9/10/2020	11:35:10	0.0	0.0	0.0
201	9/10/2020	11:36:10	0.0	0.0	0.0
202	9/10/2020	11:37:10	0.0	0.0	0.0
203	9/10/2020	11:38:10	0.0	0.0	0.0
204	9/10/2020	11:39:10	0.0	0.0	0.0
205	9/10/2020	11:40:10	0.0	0.0	0.0
206	9/10/2020	11:41:10	0.0	0.0	0.0
207	9/10/2020	11:42:10	0.0	0.0	0.0
208	9/10/2020	11:43:10	0.0	0.0	0.0
209	9/10/2020	11:44:10	0.0	0.0	0.0
210	9/10/2020	11:45:10	0.0	0.0	0.0
211	9/10/2020	11:46:10	0.0	0.0	0.0
212	9/10/2020	11:47:10	0.0	0.0	0.0
213	9/10/2020	11:48:10	0.0	0.0	0.0
214	9/10/2020	11:49:10	0.0	0.0	0.0
215	9/10/2020	11:50:10	0.0	0.0	0.0
216	9/10/2020	11:51:10	0.0	0.0	0.0
217	9/10/2020	11:52:10	0.0	0.0	0.0
218	9/10/2020	11:53:10	0.0	0.0	0.0
219	9/10/2020	11:54:10	0.0	0.0	0.0
220	9/10/2020	11:55:10	0.0	0.0	0.0
221	9/10/2020	11:56:10	0.0	0.0	0.0
222	9/10/2020	11:57:10	0.0	0.0	0.0
223	9/10/2020	11:58:10	0.0	0.0	0.0
224	9/10/2020	11:59:10	0.0	0.0	0.0
225	9/10/2020	12:00:10	0.0	0.0	0.0
226	9/10/2020	12:01:10	0.0	0.0	0.0
227	9/10/2020	12:02:10	0.0	0.0	0.0
228	9/10/2020	12:03:10	0.0	0.0	0.0
229	9/10/2020	12:04:10	0.0	0.0	0.0
230	9/10/2020	12:05:10	0.0	0.0	0.0
231	9/10/2020	12:06:10	0.0	0.0	0.0
232	9/10/2020	12:07:10	0.0	0.0	0.0
233	9/10/2020	12:08:10	0.0	0.0	0.0
234	9/10/2020	12:09:10	0.0	0.0	0.0
235	9/10/2020	12:10:10	0.0	0.0	0.0
236	9/10/2020	12:11:10	0.0	0.0	0.0
237	9/10/2020	12:12:10	0.0	0.0	0.0
238	9/10/2020	12:13:10	0.0	0.0	0.0
239	9/10/2020	12:14:10	0.0	0.0	0.0
240	9/10/2020	12:15:10	0.0	0.0	0.0
241	9/10/2020	12:16:10	0.0	0.0	0.0
242	9/10/2020	12:17:10	0.0	0.0	0.0

243	9/10/2020	12:18:10	0.0	0.0	0.0
244	9/10/2020	12:19:10	0.0	0.0	0.0
245	9/10/2020	12:20:10	0.0	0.0	0.0
246	9/10/2020	12:21:10	0.0	0.0	0.0
247	9/10/2020	12:22:10	0.0	0.0	0.0
248	9/10/2020	12:23:10	0.0	0.0	0.0
249	9/10/2020	12:24:10	0.0	0.0	0.0
250	9/10/2020	12:25:10	0.0	0.0	0.0
251	9/10/2020	12:26:10	0.0	0.0	0.0
252	9/10/2020	12:27:10	0.0	0.0	0.0
253	9/10/2020	12:28:10	0.0	0.0	0.0
254	9/10/2020	12:29:10	0.0	0.0	0.0
255	9/10/2020	12:30:10	0.0	0.0	0.0
256	9/10/2020	12:31:10	0.0	0.0	0.0
257	9/10/2020	12:32:10	0.0	0.0	0.0
258	9/10/2020	12:33:10	0.0	0.0	0.0
259	9/10/2020	12:34:10	0.0	0.0	0.0
260	9/10/2020	12:35:10	0.0	0.0	0.0
261	9/10/2020	12:36:10	0.0	0.0	0.0
262	9/10/2020	12:37:10	0.0	0.0	0.0
263	9/10/2020	12:38:10	0.0	0.0	0.0
264	9/10/2020	12:39:10	0.0	0.0	0.0
265	9/10/2020	12:40:10	0.0	0.0	0.0
266	9/10/2020	12:41:10	0.0	0.0	0.0
267	9/10/2020	12:42:10	0.0	0.0	0.0
268	9/10/2020	12:43:10	0.0	0.0	0.0
269	9/10/2020	12:44:10	0.0	0.0	0.0
270	9/10/2020	12:45:10	0.0	0.0	0.0
271	9/10/2020	12:46:10	0.0	0.0	0.0
272	9/10/2020	12:47:10	0.0	0.0	0.0
273	9/10/2020	12:48:10	0.0	0.0	0.0
274	9/10/2020	12:49:10	0.0	0.0	0.0
275	9/10/2020	12:50:10	0.0	0.0	0.0
276	9/10/2020	12:51:10	0.0	0.0	0.0
277	9/10/2020	12:52:10	0.0	0.0	0.0
278	9/10/2020	12:53:10	0.0	0.0	0.0
279	9/10/2020	12:54:10	0.0	0.0	0.0
280	9/10/2020	12:55:10	0.0	0.0	0.0
281	9/10/2020	12:56:10	0.0	0.0	0.0
282	9/10/2020	12:57:10	0.0	0.0	0.0
283	9/10/2020	12:58:10	0.0	0.0	0.0
284	9/10/2020	12:59:10	0.0	0.0	0.0
285	9/10/2020	13:00:10	0.0	0.0	0.0
286	9/10/2020	13:01:10	0.0	0.0	0.0
287	9/10/2020	13:02:10	0.0	0.0	0.0
288	9/10/2020	13:03:10	0.0	0.0	0.0
289	9/10/2020	13:04:10	0.0	0.0	0.0
290	9/10/2020	13:05:10	0.0	0.0	0.0
291	9/10/2020	13:06:10	0.0	0.0	0.0
292	9/10/2020	13:07:10	0.0	0.0	0.0

293	9/10/2020	13:08:10	0.0	0.0	0.0
294	9/10/2020	13:09:10	0.0	0.0	0.0
295	9/10/2020	13:10:10	0.0	0.0	0.0
296	9/10/2020	13:11:10	0.0	0.0	0.0
297	9/10/2020	13:12:10	0.0	0.0	0.0
298	9/10/2020	13:13:10	0.0	0.0	0.0
299	9/10/2020	13:14:10	0.0	0.0	0.0
300	9/10/2020	13:15:10	0.0	0.0	0.0
301	9/10/2020	13:16:10	0.0	0.0	0.0
302	9/10/2020	13:17:10	0.0	0.0	0.0
303	9/10/2020	13:18:10	0.0	0.0	0.0
304	9/10/2020	13:19:10	0.0	0.0	0.0
305	9/10/2020	13:20:10	0.0	0.0	0.0
306	9/10/2020	13:21:10	0.0	0.0	0.0
307	9/10/2020	13:22:10	0.0	0.0	0.0
308	9/10/2020	13:23:10	0.0	0.0	0.0
309	9/10/2020	13:24:10	0.0	0.0	0.0
310	9/10/2020	13:25:10	0.0	0.0	0.0
311	9/10/2020	13:26:10	0.0	0.0	0.0
312	9/10/2020	13:27:10	0.0	0.0	0.0
313	9/10/2020	13:28:10	0.0	0.0	0.0
314	9/10/2020	13:29:10	0.0	0.0	0.0
315	9/10/2020	13:30:10	0.0	0.0	0.0
316	9/10/2020	13:31:10	0.0	0.0	0.0
317	9/10/2020	13:32:10	0.0	0.0	0.0
318	9/10/2020	13:33:10	0.0	0.0	0.0
319	9/10/2020	13:34:10	0.0	0.0	0.0
320	9/10/2020	13:35:10	0.0	0.0	0.0
321	9/10/2020	13:36:10	0.0	0.0	0.0
322	9/10/2020	13:37:10	0.0	0.0	0.0
323	9/10/2020	13:38:10	0.0	0.0	0.0
324	9/10/2020	13:39:10	0.0	0.0	0.0
325	9/10/2020	13:40:10	0.0	0.0	0.0
326	9/10/2020	13:41:10	0.0	0.0	0.0
327	9/10/2020	13:42:10	0.0	0.0	0.0
328	9/10/2020	13:43:10	0.0	0.0	0.0
329	9/10/2020	13:44:10	0.0	0.0	0.0
330	9/10/2020	13:45:10	0.0	0.0	0.0
331	9/10/2020	13:46:10	0.0	0.0	0.0
332	9/10/2020	13:47:10	0.0	0.0	0.0
333	9/10/2020	13:48:10	0.0	0.0	0.0
334	9/10/2020	13:49:10	0.0	0.0	0.0
335	9/10/2020	13:50:10	0.0	0.0	0.0
336	9/10/2020	13:51:10	0.0	0.0	0.0
337	9/10/2020	13:52:10	0.0	0.0	0.0
338	9/10/2020	13:53:10	0.0	0.0	0.0
339	9/10/2020	13:54:10	0.0	0.0	0.0
340	9/10/2020	13:55:10	0.0	0.0	0.0
341	9/10/2020	13:56:10	0.0	0.0	0.0
342	9/10/2020	13:57:10	0.0	0.0	0.0

343	9/10/2020	13:58:10	0.0	0.0	0.0
344	9/10/2020	13:59:10	0.0	0.0	0.0
345	9/10/2020	14:00:10	0.0	0.0	0.0
346	9/10/2020	14:01:10	0.0	0.0	0.0
347	9/10/2020	14:02:10	0.0	0.0	0.0
348	9/10/2020	14:03:10	0.0	0.0	0.0
349	9/10/2020	14:04:10	0.0	0.0	0.0
350	9/10/2020	14:05:10	0.0	0.0	0.0
351	9/10/2020	14:06:10	0.0	0.0	0.0
352	9/10/2020	14:07:10	0.0	0.0	0.0
353	9/10/2020	14:08:10	0.0	0.0	0.0
354	9/10/2020	14:09:10	0.0	0.0	0.0
355	9/10/2020	14:10:10	0.0	0.0	0.0
356	9/10/2020	14:11:10	0.0	0.0	0.0
357	9/10/2020	14:12:10	0.0	0.0	0.0
358	9/10/2020	14:13:10	0.0	0.0	0.0
359	9/10/2020	14:14:10	0.0	0.0	0.0
360	9/10/2020	14:15:10	0.0	0.0	0.0
361	9/10/2020	14:16:10	0.0	0.0	0.0
362	9/10/2020	14:17:10	0.0	0.0	0.0
363	9/10/2020	14:18:10	0.0	0.0	0.0
364	9/10/2020	14:19:10	0.0	0.0	0.0
365	9/10/2020	14:20:10	0.0	0.0	0.0
366	9/10/2020	14:21:10	0.0	0.0	0.0
367	9/10/2020	14:22:10	0.0	0.0	0.0
368	9/10/2020	14:23:10	0.0	0.0	0.0
369	9/10/2020	14:24:10	0.0	0.0	0.0
370	9/10/2020	14:25:10	0.0	0.0	0.0
371	9/10/2020	14:26:10	0.0	0.0	0.0
372	9/10/2020	14:27:10	0.0	0.0	0.0
373	9/10/2020	14:28:10	0.0	0.0	0.0
374	9/10/2020	14:29:10	0.0	0.0	0.0
375	9/10/2020	14:30:10	0.0	0.0	0.0
376	9/10/2020	14:31:10	0.0	0.0	0.0
377	9/10/2020	14:32:10	0.0	0.0	0.0
378	9/10/2020	14:33:10	0.0	0.0	0.0
379	9/10/2020	14:34:10	0.0	0.0	0.0
380	9/10/2020	14:35:10	0.0	0.0	0.0
381	9/10/2020	14:36:10	0.0	0.0	0.0
382	9/10/2020	14:37:10	0.0	0.0	0.0
383	9/10/2020	14:38:10	0.0	0.0	0.0
384	9/10/2020	14:39:10	0.0	0.0	0.0
Peak		0.5	3.4	2.7	
Min		0.0	0.0	0.0	
Average		0.0	0.0	0.0	

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)

001	9/10/2020 08:16:10	0.0	---
002	9/10/2020 08:17:10	0.0	---
003	9/10/2020 08:18:10	0.0	---
004	9/10/2020 08:19:10	0.0	---
005	9/10/2020 08:20:10	0.0	---
006	9/10/2020 08:21:10	0.0	---
007	9/10/2020 08:22:10	0.0	---
008	9/10/2020 08:23:10	0.0	---
009	9/10/2020 08:24:10	0.0	---
010	9/10/2020 08:25:10	0.0	---
011	9/10/2020 08:26:10	0.0	---
012	9/10/2020 08:27:10	0.0	---
013	9/10/2020 08:28:10	0.0	---
014	9/10/2020 08:29:10	0.0	---
015	9/10/2020 08:30:10	0.0	0.0
016	9/10/2020 08:31:10	0.0	0.0
017	9/10/2020 08:32:10	0.0	0.0
018	9/10/2020 08:33:10	0.0	0.0
019	9/10/2020 08:34:10	0.0	0.0
020	9/10/2020 08:35:10	0.0	0.0
021	9/10/2020 08:36:10	0.0	0.0
022	9/10/2020 08:37:10	0.0	0.0
023	9/10/2020 08:38:10	0.0	0.0
024	9/10/2020 08:39:10	0.0	0.0
025	9/10/2020 08:40:10	0.0	0.0
026	9/10/2020 08:41:10	0.0	0.0
027	9/10/2020 08:42:10	0.0	0.0
028	9/10/2020 08:43:10	0.0	0.0
029	9/10/2020 08:44:10	0.0	0.0
030	9/10/2020 08:45:10	0.0	0.0
031	9/10/2020 08:46:10	0.0	0.0
032	9/10/2020 08:47:10	0.0	0.0
033	9/10/2020 08:48:10	0.0	0.0
034	9/10/2020 08:49:10	0.0	0.0
035	9/10/2020 08:50:10	0.0	0.0
036	9/10/2020 08:51:10	0.0	0.0
037	9/10/2020 08:52:10	0.0	0.0
038	9/10/2020 08:53:10	0.0	0.0
039	9/10/2020 08:54:10	0.0	0.0
040	9/10/2020 08:55:10	0.0	0.0
041	9/10/2020 08:56:10	0.0	0.0
042	9/10/2020 08:57:10	0.0	0.0
043	9/10/2020 08:58:10	0.0	0.0
044	9/10/2020 08:59:10	0.0	0.0
045	9/10/2020 09:00:10	0.0	0.0
046	9/10/2020 09:01:10	0.0	0.0
047	9/10/2020 09:02:10	0.0	0.0
048	9/10/2020 09:03:10	0.0	0.0
049	9/10/2020 09:04:10	0.0	0.0
050	9/10/2020 09:05:10	0.0	0.0

051	9/10/2020 09:06:10	0.0	0.0
052	9/10/2020 09:07:10	0.0	0.0
053	9/10/2020 09:08:10	0.0	0.0
054	9/10/2020 09:09:10	0.0	0.0
055	9/10/2020 09:10:10	0.0	0.0
056	9/10/2020 09:11:10	0.0	0.0
057	9/10/2020 09:12:10	0.0	0.0
058	9/10/2020 09:13:10	0.0	0.0
059	9/10/2020 09:14:10	0.0	0.0
060	9/10/2020 09:15:10	0.0	0.0
061	9/10/2020 09:16:10	0.0	0.0
062	9/10/2020 09:17:10	0.0	0.0
063	9/10/2020 09:18:10	0.0	0.0
064	9/10/2020 09:19:10	0.0	0.0
065	9/10/2020 09:20:10	0.0	0.0
066	9/10/2020 09:21:10	0.0	0.0
067	9/10/2020 09:22:10	0.0	0.0
068	9/10/2020 09:23:10	0.0	0.0
069	9/10/2020 09:24:10	0.0	0.0
070	9/10/2020 09:25:10	0.0	0.0
071	9/10/2020 09:26:10	0.0	0.0
072	9/10/2020 09:27:10	0.0	0.0
073	9/10/2020 09:28:10	0.0	0.0
074	9/10/2020 09:29:10	0.0	0.0
075	9/10/2020 09:30:10	0.0	0.0
076	9/10/2020 09:31:10	0.0	0.0
077	9/10/2020 09:32:10	0.0	0.0
078	9/10/2020 09:33:10	0.0	0.0
079	9/10/2020 09:34:10	0.0	0.0
080	9/10/2020 09:35:10	0.0	0.0
081	9/10/2020 09:36:10	0.0	0.0
082	9/10/2020 09:37:10	0.0	0.0
083	9/10/2020 09:38:10	0.0	0.0
084	9/10/2020 09:39:10	0.0	0.0
085	9/10/2020 09:40:10	0.0	0.0
086	9/10/2020 09:41:10	0.0	0.0
087	9/10/2020 09:42:10	0.0	0.0
088	9/10/2020 09:43:10	0.0	0.0
089	9/10/2020 09:44:10	0.0	0.0
090	9/10/2020 09:45:10	0.0	0.0
091	9/10/2020 09:46:10	0.0	0.0
092	9/10/2020 09:47:10	0.0	0.0
093	9/10/2020 09:48:10	0.0	0.0
094	9/10/2020 09:49:10	0.0	0.0
095	9/10/2020 09:50:10	0.0	0.0
096	9/10/2020 09:51:10	0.0	0.0
097	9/10/2020 09:52:10	0.0	0.0
098	9/10/2020 09:53:10	0.0	0.0
099	9/10/2020 09:54:10	0.0	0.0
100	9/10/2020 09:55:10	0.0	0.0

101	9/10/2020 09:56:10	0.0	0.0
102	9/10/2020 09:57:10	0.0	0.0
103	9/10/2020 09:58:10	0.0	0.0
104	9/10/2020 09:59:10	0.0	0.0
105	9/10/2020 10:00:10	0.0	0.0
106	9/10/2020 10:01:10	0.0	0.0
107	9/10/2020 10:02:10	0.0	0.0
108	9/10/2020 10:03:10	0.0	0.0
109	9/10/2020 10:04:10	0.0	0.0
110	9/10/2020 10:05:10	0.0	0.0
111	9/10/2020 10:06:10	0.0	0.0
112	9/10/2020 10:07:10	0.0	0.0
113	9/10/2020 10:08:10	0.0	0.0
114	9/10/2020 10:09:10	0.0	0.0
115	9/10/2020 10:10:10	0.0	0.0
116	9/10/2020 10:11:10	0.0	0.0
117	9/10/2020 10:12:10	0.0	0.0
118	9/10/2020 10:13:10	0.0	0.0
119	9/10/2020 10:14:10	0.0	0.0
120	9/10/2020 10:15:10	0.0	0.0
121	9/10/2020 10:16:10	0.0	0.0
122	9/10/2020 10:17:10	0.0	0.0
123	9/10/2020 10:18:10	0.0	0.0
124	9/10/2020 10:19:10	0.0	0.0
125	9/10/2020 10:20:10	0.0	0.0
126	9/10/2020 10:21:10	0.0	0.0
127	9/10/2020 10:22:10	0.0	0.0
128	9/10/2020 10:23:10	0.0	0.0
129	9/10/2020 10:24:10	0.0	0.0
130	9/10/2020 10:25:10	0.0	0.0
131	9/10/2020 10:26:10	0.0	0.0
132	9/10/2020 10:27:10	0.0	0.0
133	9/10/2020 10:28:10	0.0	0.0
134	9/10/2020 10:29:10	0.0	0.0
135	9/10/2020 10:30:10	0.0	0.0
136	9/10/2020 10:31:10	0.0	0.0
137	9/10/2020 10:32:10	0.0	0.0
138	9/10/2020 10:33:10	0.0	0.0
139	9/10/2020 10:34:10	0.0	0.0
140	9/10/2020 10:35:10	0.0	0.0
141	9/10/2020 10:36:10	0.0	0.0
142	9/10/2020 10:37:10	0.0	0.0
143	9/10/2020 10:38:10	0.0	0.0
144	9/10/2020 10:39:10	0.0	0.0
145	9/10/2020 10:40:10	0.0	0.0
146	9/10/2020 10:41:10	0.0	0.0
147	9/10/2020 10:42:10	0.0	0.0
148	9/10/2020 10:43:10	0.0	0.0
149	9/10/2020 10:44:10	0.0	0.0
150	9/10/2020 10:45:10	0.0	0.2

151	9/10/2020 10:46:10	0.0	0.2
152	9/10/2020 10:47:10	0.0	0.2
153	9/10/2020 10:48:10	0.0	0.2
154	9/10/2020 10:49:10	0.0	0.2
155	9/10/2020 10:50:10	0.0	0.2
156	9/10/2020 10:51:10	0.0	0.2
157	9/10/2020 10:52:10	0.0	0.2
158	9/10/2020 10:53:10	0.0	0.2
159	9/10/2020 10:54:10	0.0	0.2
160	9/10/2020 10:55:10	0.0	0.2
161	9/10/2020 10:56:10	0.0	0.2
162	9/10/2020 10:57:10	0.0	0.2
163	9/10/2020 10:58:10	0.0	0.2
164	9/10/2020 10:59:10	0.0	0.2
165	9/10/2020 11:00:10	0.0	0.2
166	9/10/2020 11:01:10	0.0	0.0
167	9/10/2020 11:02:10	0.0	0.0
168	9/10/2020 11:03:10	0.0	0.0
169	9/10/2020 11:04:10	0.0	0.0
170	9/10/2020 11:05:10	0.0	0.0
171	9/10/2020 11:06:10	0.0	0.0
172	9/10/2020 11:07:10	0.0	0.0
173	9/10/2020 11:08:10	0.0	0.0
174	9/10/2020 11:09:10	0.0	0.0
175	9/10/2020 11:10:10	0.0	0.0
176	9/10/2020 11:11:10	0.0	0.0
177	9/10/2020 11:12:10	0.0	0.0
178	9/10/2020 11:13:10	0.0	0.0
179	9/10/2020 11:14:10	0.0	0.0
180	9/10/2020 11:15:10	0.0	0.0
181	9/10/2020 11:16:10	0.0	0.0
182	9/10/2020 11:17:10	0.0	0.0
183	9/10/2020 11:18:10	0.0	0.0
184	9/10/2020 11:19:10	0.0	0.0
185	9/10/2020 11:20:10	0.0	0.0
186	9/10/2020 11:21:10	0.0	0.0
187	9/10/2020 11:22:10	0.0	0.0
188	9/10/2020 11:23:10	0.0	0.0
189	9/10/2020 11:24:10	0.0	0.0
190	9/10/2020 11:25:10	0.0	0.0
191	9/10/2020 11:26:10	0.0	0.0
192	9/10/2020 11:27:10	0.0	0.0
193	9/10/2020 11:28:10	0.0	0.0
194	9/10/2020 11:29:10	0.0	0.0
195	9/10/2020 11:30:10	0.0	0.0
196	9/10/2020 11:31:10	0.0	0.0
197	9/10/2020 11:32:10	0.0	0.0
198	9/10/2020 11:33:10	0.0	0.0
199	9/10/2020 11:34:10	0.0	0.0
200	9/10/2020 11:35:10	0.0	0.0

201	9/10/2020	11:36:10	0.0	0.0
202	9/10/2020	11:37:10	0.0	0.0
203	9/10/2020	11:38:10	0.0	0.0
204	9/10/2020	11:39:10	0.0	0.0
205	9/10/2020	11:40:10	0.0	0.0
206	9/10/2020	11:41:10	0.0	0.0
207	9/10/2020	11:42:10	0.0	0.0
208	9/10/2020	11:43:10	0.0	0.0
209	9/10/2020	11:44:10	0.0	0.0
210	9/10/2020	11:45:10	0.0	0.0
211	9/10/2020	11:46:10	0.0	0.0
212	9/10/2020	11:47:10	0.0	0.0
213	9/10/2020	11:48:10	0.0	0.0
214	9/10/2020	11:49:10	0.0	0.0
215	9/10/2020	11:50:10	0.0	0.0
216	9/10/2020	11:51:10	0.0	0.0
217	9/10/2020	11:52:10	0.0	0.0
218	9/10/2020	11:53:10	0.0	0.0
219	9/10/2020	11:54:10	0.0	0.0
220	9/10/2020	11:55:10	0.0	0.0
221	9/10/2020	11:56:10	0.0	0.0
222	9/10/2020	11:57:10	0.0	0.0
223	9/10/2020	11:58:10	0.0	0.0
224	9/10/2020	11:59:10	0.0	0.0
225	9/10/2020	12:00:10	0.0	0.0
226	9/10/2020	12:01:10	0.0	0.0
227	9/10/2020	12:02:10	0.0	0.0
228	9/10/2020	12:03:10	0.0	0.0
229	9/10/2020	12:04:10	0.0	0.0
230	9/10/2020	12:05:10	0.0	0.0
231	9/10/2020	12:06:10	0.0	0.0
232	9/10/2020	12:07:10	0.0	0.0
233	9/10/2020	12:08:10	0.0	0.0
234	9/10/2020	12:09:10	0.0	0.0
235	9/10/2020	12:10:10	0.0	0.0
236	9/10/2020	12:11:10	0.0	0.0
237	9/10/2020	12:12:10	0.0	0.0
238	9/10/2020	12:13:10	0.0	0.0
239	9/10/2020	12:14:10	0.0	0.0
240	9/10/2020	12:15:10	0.0	0.0
241	9/10/2020	12:16:10	0.0	0.0
242	9/10/2020	12:17:10	0.0	0.0
243	9/10/2020	12:18:10	0.0	0.0
244	9/10/2020	12:19:10	0.0	0.0
245	9/10/2020	12:20:10	0.0	0.0
246	9/10/2020	12:21:10	0.0	0.0
247	9/10/2020	12:22:10	0.0	0.0
248	9/10/2020	12:23:10	0.0	0.0
249	9/10/2020	12:24:10	0.0	0.0
250	9/10/2020	12:25:10	0.0	0.0

251	9/10/2020	12:26:10	0.0	0.0
252	9/10/2020	12:27:10	0.0	0.0
253	9/10/2020	12:28:10	0.0	0.0
254	9/10/2020	12:29:10	0.0	0.0
255	9/10/2020	12:30:10	0.0	0.0
256	9/10/2020	12:31:10	0.0	0.0
257	9/10/2020	12:32:10	0.0	0.0
258	9/10/2020	12:33:10	0.0	0.0
259	9/10/2020	12:34:10	0.0	0.0
260	9/10/2020	12:35:10	0.0	0.0
261	9/10/2020	12:36:10	0.0	0.0
262	9/10/2020	12:37:10	0.0	0.0
263	9/10/2020	12:38:10	0.0	0.0
264	9/10/2020	12:39:10	0.0	0.0
265	9/10/2020	12:40:10	0.0	0.0
266	9/10/2020	12:41:10	0.0	0.0
267	9/10/2020	12:42:10	0.0	0.0
268	9/10/2020	12:43:10	0.0	0.0
269	9/10/2020	12:44:10	0.0	0.0
270	9/10/2020	12:45:10	0.0	0.0
271	9/10/2020	12:46:10	0.0	0.0
272	9/10/2020	12:47:10	0.0	0.0
273	9/10/2020	12:48:10	0.0	0.0
274	9/10/2020	12:49:10	0.0	0.0
275	9/10/2020	12:50:10	0.0	0.0
276	9/10/2020	12:51:10	0.0	0.0
277	9/10/2020	12:52:10	0.0	0.0
278	9/10/2020	12:53:10	0.0	0.0
279	9/10/2020	12:54:10	0.0	0.0
280	9/10/2020	12:55:10	0.0	0.0
281	9/10/2020	12:56:10	0.0	0.0
282	9/10/2020	12:57:10	0.0	0.0
283	9/10/2020	12:58:10	0.0	0.0
284	9/10/2020	12:59:10	0.0	0.0
285	9/10/2020	13:00:10	0.0	0.0
286	9/10/2020	13:01:10	0.0	0.0
287	9/10/2020	13:02:10	0.0	0.0
288	9/10/2020	13:03:10	0.0	0.0
289	9/10/2020	13:04:10	0.0	0.0
290	9/10/2020	13:05:10	0.0	0.0
291	9/10/2020	13:06:10	0.0	0.0
292	9/10/2020	13:07:10	0.0	0.0
293	9/10/2020	13:08:10	0.0	0.0
294	9/10/2020	13:09:10	0.0	0.0
295	9/10/2020	13:10:10	0.0	0.0
296	9/10/2020	13:11:10	0.0	0.0
297	9/10/2020	13:12:10	0.0	0.0
298	9/10/2020	13:13:10	0.0	0.0
299	9/10/2020	13:14:10	0.0	0.0
300	9/10/2020	13:15:10	0.0	0.0

301	9/10/2020 13:16:10	0.0	0.0
302	9/10/2020 13:17:10	0.0	0.0
303	9/10/2020 13:18:10	0.0	0.0
304	9/10/2020 13:19:10	0.0	0.0
305	9/10/2020 13:20:10	0.0	0.0
306	9/10/2020 13:21:10	0.0	0.0
307	9/10/2020 13:22:10	0.0	0.0
308	9/10/2020 13:23:10	0.0	0.0
309	9/10/2020 13:24:10	0.0	0.0
310	9/10/2020 13:25:10	0.0	0.0
311	9/10/2020 13:26:10	0.0	0.0
312	9/10/2020 13:27:10	0.0	0.0
313	9/10/2020 13:28:10	0.0	0.0
314	9/10/2020 13:29:10	0.0	0.0
315	9/10/2020 13:30:10	0.0	0.0
316	9/10/2020 13:31:10	0.0	0.0
317	9/10/2020 13:32:10	0.0	0.0
318	9/10/2020 13:33:10	0.0	0.0
319	9/10/2020 13:34:10	0.0	0.0
320	9/10/2020 13:35:10	0.0	0.0
321	9/10/2020 13:36:10	0.0	0.0
322	9/10/2020 13:37:10	0.0	0.0
323	9/10/2020 13:38:10	0.0	0.0
324	9/10/2020 13:39:10	0.0	0.0
325	9/10/2020 13:40:10	0.0	0.0
326	9/10/2020 13:41:10	0.0	0.0
327	9/10/2020 13:42:10	0.0	0.0
328	9/10/2020 13:43:10	0.0	0.0
329	9/10/2020 13:44:10	0.0	0.0
330	9/10/2020 13:45:10	0.0	0.0
331	9/10/2020 13:46:10	0.0	0.0
332	9/10/2020 13:47:10	0.0	0.0
333	9/10/2020 13:48:10	0.0	0.0
334	9/10/2020 13:49:10	0.0	0.0
335	9/10/2020 13:50:10	0.0	0.0
336	9/10/2020 13:51:10	0.0	0.0
337	9/10/2020 13:52:10	0.0	0.0
338	9/10/2020 13:53:10	0.0	0.0
339	9/10/2020 13:54:10	0.0	0.0
340	9/10/2020 13:55:10	0.0	0.0
341	9/10/2020 13:56:10	0.0	0.0
342	9/10/2020 13:57:10	0.0	0.0
343	9/10/2020 13:58:10	0.0	0.0
344	9/10/2020 13:59:10	0.0	0.0
345	9/10/2020 14:00:10	0.0	0.0
346	9/10/2020 14:01:10	0.0	0.0
347	9/10/2020 14:02:10	0.0	0.0
348	9/10/2020 14:03:10	0.0	0.0
349	9/10/2020 14:04:10	0.0	0.0
350	9/10/2020 14:05:10	0.0	0.0

351	9/10/2020	14:06:10	0.0	0.0
352	9/10/2020	14:07:10	0.0	0.0
353	9/10/2020	14:08:10	0.0	0.0
354	9/10/2020	14:09:10	0.0	0.0
355	9/10/2020	14:10:10	0.0	0.0
356	9/10/2020	14:11:10	0.0	0.0
357	9/10/2020	14:12:10	0.0	0.0
358	9/10/2020	14:13:10	0.0	0.0
359	9/10/2020	14:14:10	0.0	0.0
360	9/10/2020	14:15:10	0.0	0.0
361	9/10/2020	14:16:10	0.0	0.0
362	9/10/2020	14:17:10	0.0	0.0
363	9/10/2020	14:18:10	0.0	0.0
364	9/10/2020	14:19:10	0.0	0.0
365	9/10/2020	14:20:10	0.0	0.0
366	9/10/2020	14:21:10	0.0	0.0
367	9/10/2020	14:22:10	0.0	0.0
368	9/10/2020	14:23:10	0.0	0.0
369	9/10/2020	14:24:10	0.0	0.0
370	9/10/2020	14:25:10	0.0	0.0
371	9/10/2020	14:26:10	0.0	0.0
372	9/10/2020	14:27:10	0.0	0.0
373	9/10/2020	14:28:10	0.0	0.0
374	9/10/2020	14:29:10	0.0	0.0
375	9/10/2020	14:30:10	0.0	0.0
376	9/10/2020	14:31:10	0.0	0.0
377	9/10/2020	14:32:10	0.0	0.0
378	9/10/2020	14:33:10	0.0	0.0
379	9/10/2020	14:34:10	0.0	0.0
380	9/10/2020	14:35:10	0.0	0.0
381	9/10/2020	14:36:10	0.0	0.0
382	9/10/2020	14:37:10	0.0	0.0
383	9/10/2020	14:38:10	0.0	0.0
384	9/10/2020	14:39:10	0.0	0.0

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20/09/11 14:35

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-910739

Unit Firmware Ver V2.20

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 9/11/2020 14:35:21
End 9/11/2020 14:35:39
Sample Period(s) 60
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030002S8
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 12:25

Datalog

0 record.

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20/09/15 07:20

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918988
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Unknown

Site ID 12345678
User ID 12345678

Begin 9/15/2020 07:20:40
End 9/15/2020 07:20:40
Sample Period(s) 60
Number of Records 66

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 8/31/2020 13:53
Peak 0.0
Min 0.0
Average 0.0

Datalog

	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time (Avg)	(Max)	(Real)
001	9/15/2020 07:21:40	0.0	0.0
002	9/15/2020 07:22:40	0.0	0.0
003	9/15/2020 07:23:40	0.0	0.0
004	9/15/2020 07:24:40	0.0	0.0
005	9/15/2020 07:25:40	0.0	0.0
006	9/15/2020 07:26:40	0.0	0.0
007	9/15/2020 07:27:40	0.0	0.0
008	9/15/2020 07:28:40	0.0	0.0

009	9/15/2020 07:29:40	0.0	0.0	0.0
010	9/15/2020 07:30:40	0.0	0.0	0.0
011	9/15/2020 07:31:40	0.0	0.0	0.0
012	9/15/2020 07:32:40	0.0	0.0	0.0
013	9/15/2020 07:33:40	0.0	0.0	0.0
014	9/15/2020 07:34:40	0.0	0.0	0.0
015	9/15/2020 07:35:40	0.0	0.0	0.0
016	9/15/2020 07:36:40	0.0	0.0	0.0
017	9/15/2020 07:37:40	0.0	0.0	0.0
018	9/15/2020 07:38:40	0.0	0.0	0.0
019	9/15/2020 07:39:40	0.0	0.0	0.0
020	9/15/2020 07:40:40	0.0	0.0	0.0
021	9/15/2020 07:41:40	0.0	0.0	0.0
022	9/15/2020 07:42:40	0.0	0.0	0.0
023	9/15/2020 07:43:40	0.0	0.0	0.0
024	9/15/2020 07:44:40	0.0	0.0	0.0
025	9/15/2020 07:45:40	0.0	0.0	0.0
026	9/15/2020 07:46:40	0.0	0.0	0.0
027	9/15/2020 07:47:40	0.0	0.0	0.0
028	9/15/2020 07:48:40	0.0	0.0	0.0
029	9/15/2020 07:49:40	0.0	0.0	0.0
030	9/15/2020 07:50:40	0.0	0.0	0.0
031	9/15/2020 07:51:40	0.0	0.0	0.0
032	9/15/2020 07:52:40	0.0	0.0	0.0
033	9/15/2020 07:53:40	0.0	0.0	0.0
034	9/15/2020 07:54:40	0.0	0.0	0.0
035	9/15/2020 07:55:40	0.0	0.0	0.0
036	9/15/2020 07:56:40	0.0	0.0	0.0
037	9/15/2020 07:57:40	0.0	0.0	0.0
038	9/15/2020 07:58:40	0.0	0.0	0.0
039	9/15/2020 07:59:40	0.0	0.0	0.0
040	9/15/2020 08:00:40	0.0	0.0	0.0
041	9/15/2020 08:01:40	0.0	0.0	0.0
042	9/15/2020 08:02:40	0.0	0.0	0.0
043	9/15/2020 08:03:40	0.0	0.0	0.0
044	9/15/2020 08:04:40	0.0	0.0	0.0
045	9/15/2020 08:05:40	0.0	0.0	0.0
046	9/15/2020 08:06:40	0.0	0.0	0.0
047	9/15/2020 08:07:40	0.0	0.0	0.0
048	9/15/2020 08:08:40	0.0	0.0	0.0
049	9/15/2020 08:09:40	0.0	0.0	0.0
050	9/15/2020 08:10:40	0.0	0.0	0.0
051	9/15/2020 08:11:40	0.0	0.0	0.0
052	9/15/2020 08:12:40	0.0	0.0	0.0
053	9/15/2020 08:13:40	0.0	0.0	0.0
054	9/15/2020 08:14:40	0.0	0.0	0.0
055	9/15/2020 08:15:40	0.0	0.0	0.0
056	9/15/2020 08:16:40	0.0	0.0	0.0
057	9/15/2020 08:17:40	0.0	0.0	0.0
058	9/15/2020 08:18:40	0.0	0.0	0.0

059	9/15/2020 08:19:40	0.0	0.0	0.0
060	9/15/2020 08:20:40	0.0	0.0	0.0
061	9/15/2020 08:21:40	0.0	0.0	0.0
062	9/15/2020 08:22:40	0.0	0.0	0.0
063	9/15/2020 08:23:40	0.0	0.0	0.0
064	9/15/2020 08:24:40	0.0	0.0	0.0
065	9/15/2020 08:25:40	0.0	0.0	0.0
066	9/15/2020 08:26:40	0.0	0.0	0.0
Peak	0.0 0.0	0.0		
Min	0.0 0.0	0.0		
Average	0.0 0.0	0.0		

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	9/15/2020 07:21:40	0.0	---
002	9/15/2020 07:22:40	0.0	---
003	9/15/2020 07:23:40	0.0	---
004	9/15/2020 07:24:40	0.0	---
005	9/15/2020 07:25:40	0.0	---
006	9/15/2020 07:26:40	0.0	---
007	9/15/2020 07:27:40	0.0	---
008	9/15/2020 07:28:40	0.0	---
009	9/15/2020 07:29:40	0.0	---
010	9/15/2020 07:30:40	0.0	---
011	9/15/2020 07:31:40	0.0	---
012	9/15/2020 07:32:40	0.0	---
013	9/15/2020 07:33:40	0.0	---
014	9/15/2020 07:34:40	0.0	---
015	9/15/2020 07:35:40	0.0	0.0
016	9/15/2020 07:36:40	0.0	0.0
017	9/15/2020 07:37:40	0.0	0.0
018	9/15/2020 07:38:40	0.0	0.0
019	9/15/2020 07:39:40	0.0	0.0
020	9/15/2020 07:40:40	0.0	0.0
021	9/15/2020 07:41:40	0.0	0.0
022	9/15/2020 07:42:40	0.0	0.0
023	9/15/2020 07:43:40	0.0	0.0
024	9/15/2020 07:44:40	0.0	0.0
025	9/15/2020 07:45:40	0.0	0.0
026	9/15/2020 07:46:40	0.0	0.0
027	9/15/2020 07:47:40	0.0	0.0
028	9/15/2020 07:48:40	0.0	0.0
029	9/15/2020 07:49:40	0.0	0.0
030	9/15/2020 07:50:40	0.0	0.0
031	9/15/2020 07:51:40	0.0	0.0
032	9/15/2020 07:52:40	0.0	0.0
033	9/15/2020 07:53:40	0.0	0.0
034	9/15/2020 07:54:40	0.0	0.0

035	9/15/2020 07:55:40	0.0	0.0
036	9/15/2020 07:56:40	0.0	0.0
037	9/15/2020 07:57:40	0.0	0.0
038	9/15/2020 07:58:40	0.0	0.0
039	9/15/2020 07:59:40	0.0	0.0
040	9/15/2020 08:00:40	0.0	0.0
041	9/15/2020 08:01:40	0.0	0.0
042	9/15/2020 08:02:40	0.0	0.0
043	9/15/2020 08:03:40	0.0	0.0
044	9/15/2020 08:04:40	0.0	0.0
045	9/15/2020 08:05:40	0.0	0.0
046	9/15/2020 08:06:40	0.0	0.0
047	9/15/2020 08:07:40	0.0	0.0
048	9/15/2020 08:08:40	0.0	0.0
049	9/15/2020 08:09:40	0.0	0.0
050	9/15/2020 08:10:40	0.0	0.0
051	9/15/2020 08:11:40	0.0	0.0
052	9/15/2020 08:12:40	0.0	0.0
053	9/15/2020 08:13:40	0.0	0.0
054	9/15/2020 08:14:40	0.0	0.0
055	9/15/2020 08:15:40	0.0	0.0
056	9/15/2020 08:16:40	0.0	0.0
057	9/15/2020 08:17:40	0.0	0.0
058	9/15/2020 08:18:40	0.0	0.0
059	9/15/2020 08:19:40	0.0	0.0
060	9/15/2020 08:20:40	0.0	0.0
061	9/15/2020 08:21:40	0.0	0.0
062	9/15/2020 08:22:40	0.0	0.0
063	9/15/2020 08:23:40	0.0	0.0
064	9/15/2020 08:24:40	0.0	0.0
065	9/15/2020 08:25:40	0.0	0.0
066	9/15/2020 08:26:40	0.0	0.0

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20/09/15 08:42

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918988
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/15/2020 08:42:36
End 9/15/2020 14:51:53
Sample Period(s) 60
Number of Records 369

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 8/31/2020 13:53
Peak 0.2
Min 0.0
Average 0.0

Datalog

	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time (Avg)	(Max)	(Real)
001	9/15/2020 08:43:36	0.0	0.0
002	9/15/2020 08:44:36	0.0	0.0
003	9/15/2020 08:45:36	0.0	0.0
004	9/15/2020 08:46:36	0.0	0.0
005	9/15/2020 08:47:36	0.0	0.0
006	9/15/2020 08:48:36	0.0	0.0
007	9/15/2020 08:49:36	0.0	0.0
008	9/15/2020 08:50:36	0.0	0.0

009	9/15/2020 08:51:36	0.0	0.0	0.0
010	9/15/2020 08:52:36	0.0	0.0	0.0
011	9/15/2020 08:53:36	0.0	0.0	0.0
012	9/15/2020 08:54:36	0.0	0.0	0.0
013	9/15/2020 08:55:36	0.0	0.0	0.0
014	9/15/2020 08:56:36	0.0	0.0	0.0
015	9/15/2020 08:57:36	0.0	0.0	0.0
016	9/15/2020 08:58:36	0.0	0.0	0.0
017	9/15/2020 08:59:36	0.0	0.0	0.0
018	9/15/2020 09:00:36	0.0	0.0	0.0
019	9/15/2020 09:01:36	0.0	0.0	0.0
020	9/15/2020 09:02:36	0.0	0.0	0.0
021	9/15/2020 09:03:36	0.0	0.0	0.0
022	9/15/2020 09:04:36	0.0	0.0	0.0
023	9/15/2020 09:05:36	0.0	0.0	0.0
024	9/15/2020 09:06:36	0.0	0.0	0.0
025	9/15/2020 09:07:36	0.0	0.0	0.0
026	9/15/2020 09:08:36	0.0	0.0	0.0
027	9/15/2020 09:09:36	0.0	0.0	0.0
028	9/15/2020 09:10:36	0.0	0.0	0.0
029	9/15/2020 09:11:36	0.0	0.0	0.0
030	9/15/2020 09:12:36	0.0	0.0	0.0
031	9/15/2020 09:13:36	0.0	0.0	0.0
032	9/15/2020 09:14:36	0.0	0.0	0.0
033	9/15/2020 09:15:36	0.0	0.0	0.0
034	9/15/2020 09:16:36	0.0	0.0	0.0
035	9/15/2020 09:17:36	0.0	0.0	0.0
036	9/15/2020 09:18:36	0.0	0.0	0.0
037	9/15/2020 09:19:36	0.0	0.0	0.0
038	9/15/2020 09:20:36	0.0	0.0	0.0
039	9/15/2020 09:21:36	0.0	0.0	0.0
040	9/15/2020 09:22:36	0.0	0.0	0.0
041	9/15/2020 09:23:36	0.0	0.0	0.0
042	9/15/2020 09:24:36	0.0	0.0	0.0
043	9/15/2020 09:25:36	0.0	0.0	0.0
044	9/15/2020 09:26:36	0.0	0.0	0.0
045	9/15/2020 09:27:36	0.0	0.0	0.0
046	9/15/2020 09:28:36	0.0	0.0	0.0
047	9/15/2020 09:29:36	0.0	0.0	0.0
048	9/15/2020 09:30:36	0.0	0.0	0.0
049	9/15/2020 09:31:36	0.0	0.0	0.0
050	9/15/2020 09:32:36	0.0	0.0	0.0
051	9/15/2020 09:33:36	0.0	0.0	0.0
052	9/15/2020 09:34:36	0.0	0.0	0.0
053	9/15/2020 09:35:36	0.0	0.0	0.0
054	9/15/2020 09:36:36	0.0	0.0	0.0
055	9/15/2020 09:37:36	0.0	0.0	0.0
056	9/15/2020 09:38:36	0.0	0.0	0.0
057	9/15/2020 09:39:36	0.0	0.0	0.0
058	9/15/2020 09:40:36	0.0	0.0	0.0

059	9/15/2020 09:41:36	0.0	0.0	0.0
060	9/15/2020 09:42:36	0.0	0.0	0.0
061	9/15/2020 09:43:36	0.0	0.0	0.0
062	9/15/2020 09:44:36	0.0	0.0	0.0
063	9/15/2020 09:45:36	0.0	0.0	0.0
064	9/15/2020 09:46:36	0.0	0.0	0.0
065	9/15/2020 09:47:36	0.0	0.0	0.0
066	9/15/2020 09:48:36	0.0	0.0	0.0
067	9/15/2020 09:49:36	0.0	0.0	0.0
068	9/15/2020 09:50:36	0.0	0.0	0.0
069	9/15/2020 09:51:36	0.0	0.0	0.0
070	9/15/2020 09:52:36	0.0	0.0	0.0
071	9/15/2020 09:53:36	0.0	0.0	0.0
072	9/15/2020 09:54:36	0.0	0.0	0.0
073	9/15/2020 09:55:36	0.0	0.0	0.0
074	9/15/2020 09:56:36	0.0	0.0	0.0
075	9/15/2020 09:57:36	0.0	0.0	0.0
076	9/15/2020 09:58:36	0.0	0.0	0.0
077	9/15/2020 09:59:36	0.0	0.0	0.0
078	9/15/2020 10:00:36	0.0	0.0	0.0
079	9/15/2020 10:01:36	0.0	0.0	0.0
080	9/15/2020 10:02:36	0.0	0.0	0.0
081	9/15/2020 10:03:36	0.0	0.0	0.0
082	9/15/2020 10:04:36	0.0	0.0	0.0
083	9/15/2020 10:05:36	0.0	0.0	0.0
084	9/15/2020 10:06:36	0.0	0.0	0.0
085	9/15/2020 10:07:36	0.0	0.0	0.0
086	9/15/2020 10:08:36	0.0	0.0	0.0
087	9/15/2020 10:09:36	0.0	0.0	0.0
088	9/15/2020 10:10:36	0.0	0.0	0.0
089	9/15/2020 10:11:36	0.0	0.0	0.0
090	9/15/2020 10:12:36	0.0	0.0	0.0
091	9/15/2020 10:13:36	0.0	0.0	0.0
092	9/15/2020 10:14:36	0.0	0.1	0.0
093	9/15/2020 10:15:36	0.0	0.0	0.0
094	9/15/2020 10:16:36	0.0	0.1	0.0
095	9/15/2020 10:17:36	0.0	0.0	0.0
096	9/15/2020 10:18:36	0.0	0.0	0.0
097	9/15/2020 10:19:36	0.0	0.0	0.0
098	9/15/2020 10:20:36	0.0	0.0	0.0
099	9/15/2020 10:21:36	0.0	0.0	0.0
100	9/15/2020 10:22:36	0.0	0.0	0.0
101	9/15/2020 10:23:36	0.0	0.0	0.0
102	9/15/2020 10:24:36	0.0	0.0	0.0
103	9/15/2020 10:25:36	0.0	0.0	0.0
104	9/15/2020 10:26:36	0.0	0.0	0.0
105	9/15/2020 10:27:36	0.0	0.0	0.0
106	9/15/2020 10:28:36	0.0	0.0	0.0
107	9/15/2020 10:29:36	0.0	0.0	0.0
108	9/15/2020 10:30:36	0.0	0.0	0.0

109	9/15/2020	10:31:36	0.0	0.0	0.0
110	9/15/2020	10:32:36	0.0	0.0	0.0
111	9/15/2020	10:33:36	0.0	0.0	0.0
112	9/15/2020	10:34:36	0.0	0.0	0.0
113	9/15/2020	10:35:36	0.0	0.0	0.0
114	9/15/2020	10:36:36	0.0	0.0	0.0
115	9/15/2020	10:37:36	0.0	0.0	0.0
116	9/15/2020	10:38:36	0.0	0.0	0.0
117	9/15/2020	10:39:36	0.0	0.0	0.0
118	9/15/2020	10:40:36	0.0	0.0	0.0
119	9/15/2020	10:41:36	0.0	0.0	0.0
120	9/15/2020	10:42:36	0.0	0.0	0.0
121	9/15/2020	10:43:36	0.0	0.0	0.0
122	9/15/2020	10:44:36	0.0	0.0	0.0
123	9/15/2020	10:45:36	0.0	0.0	0.0
124	9/15/2020	10:46:36	0.0	0.0	0.0
125	9/15/2020	10:47:36	0.0	0.0	0.0
126	9/15/2020	10:48:36	0.0	0.0	0.0
127	9/15/2020	10:49:36	0.0	0.0	0.0
128	9/15/2020	10:50:36	0.0	0.0	0.0
129	9/15/2020	10:51:36	0.0	0.0	0.0
130	9/15/2020	10:52:36	0.0	0.0	0.0
131	9/15/2020	10:53:36	0.0	0.1	0.0
132	9/15/2020	10:54:36	0.0	0.0	0.0
133	9/15/2020	10:55:36	0.0	0.0	0.0
134	9/15/2020	10:56:36	0.0	0.0	0.0
135	9/15/2020	10:57:36	0.0	0.0	0.0
136	9/15/2020	10:58:36	0.0	0.0	0.0
137	9/15/2020	10:59:36	0.0	0.0	0.0
138	9/15/2020	11:00:36	0.0	0.0	0.0
139	9/15/2020	11:01:36	0.0	0.0	0.0
140	9/15/2020	11:02:36	0.0	0.0	0.0
141	9/15/2020	11:03:36	0.0	0.0	0.0
142	9/15/2020	11:04:36	0.0	0.0	0.0
143	9/15/2020	11:05:36	0.0	0.0	0.0
144	9/15/2020	11:06:36	0.0	0.0	0.0
145	9/15/2020	11:07:36	0.0	0.0	0.0
146	9/15/2020	11:08:36	0.0	0.0	0.0
147	9/15/2020	11:09:36	0.0	0.0	0.0
148	9/15/2020	11:10:36	0.0	0.0	0.0
149	9/15/2020	11:11:36	0.0	0.0	0.0
150	9/15/2020	11:12:36	0.0	0.0	0.0
151	9/15/2020	11:13:36	0.0	0.0	0.0
152	9/15/2020	11:14:36	0.0	0.0	0.0
153	9/15/2020	11:15:36	0.0	0.0	0.0
154	9/15/2020	11:16:36	0.0	0.0	0.0
155	9/15/2020	11:17:36	0.0	0.0	0.0
156	9/15/2020	11:18:36	0.0	0.0	0.0
157	9/15/2020	11:19:36	0.0	0.0	0.0
158	9/15/2020	11:20:36	0.0	0.0	0.0

159	9/15/2020	11:21:36	0.0	0.0	0.0
160	9/15/2020	11:22:36	0.0	0.0	0.0
161	9/15/2020	11:23:36	0.0	0.0	0.0
162	9/15/2020	11:24:36	0.0	0.0	0.0
163	9/15/2020	11:25:36	0.0	0.0	0.0
164	9/15/2020	11:26:36	0.0	0.0	0.0
165	9/15/2020	11:27:36	0.0	0.0	0.0
166	9/15/2020	11:28:36	0.0	0.0	0.0
167	9/15/2020	11:29:36	0.0	0.0	0.0
168	9/15/2020	11:30:36	0.0	0.0	0.0
169	9/15/2020	11:31:36	0.0	0.0	0.0
170	9/15/2020	11:32:36	0.0	0.0	0.0
171	9/15/2020	11:33:36	0.0	0.0	0.0
172	9/15/2020	11:34:36	0.0	0.0	0.0
173	9/15/2020	11:35:36	0.0	0.0	0.0
174	9/15/2020	11:36:36	0.0	0.0	0.0
175	9/15/2020	11:37:36	0.0	0.0	0.0
176	9/15/2020	11:38:36	0.0	0.0	0.0
177	9/15/2020	11:39:36	0.0	0.0	0.0
178	9/15/2020	11:40:36	0.0	0.0	0.0
179	9/15/2020	11:41:36	0.0	0.0	0.0
180	9/15/2020	11:42:36	0.0	0.0	0.0
181	9/15/2020	11:43:36	0.0	0.0	0.0
182	9/15/2020	11:44:36	0.0	0.0	0.0
183	9/15/2020	11:45:36	0.0	0.0	0.0
184	9/15/2020	11:46:36	0.0	0.0	0.0
185	9/15/2020	11:47:36	0.0	0.0	0.0
186	9/15/2020	11:48:36	0.0	0.0	0.0
187	9/15/2020	11:49:36	0.0	0.0	0.0
188	9/15/2020	11:50:36	0.0	0.0	0.0
189	9/15/2020	11:51:36	0.0	0.0	0.0
190	9/15/2020	11:52:36	0.0	0.0	0.0
191	9/15/2020	11:53:36	0.0	0.0	0.0
192	9/15/2020	11:54:36	0.0	0.0	0.0
193	9/15/2020	11:55:36	0.0	0.0	0.0
194	9/15/2020	11:56:36	0.0	0.0	0.0
195	9/15/2020	11:57:36	0.0	0.0	0.0
196	9/15/2020	11:58:36	0.0	0.0	0.0
197	9/15/2020	11:59:36	0.0	0.0	0.0
198	9/15/2020	12:00:36	0.0	0.0	0.0
199	9/15/2020	12:01:36	0.0	0.0	0.0
200	9/15/2020	12:02:36	0.0	0.0	0.0
201	9/15/2020	12:03:36	0.0	0.0	0.0
202	9/15/2020	12:04:36	0.0	0.0	0.0
203	9/15/2020	12:05:36	0.0	0.0	0.0
204	9/15/2020	12:06:36	0.0	0.0	0.0
205	9/15/2020	12:07:36	0.0	0.0	0.0
206	9/15/2020	12:08:36	0.0	0.0	0.0
207	9/15/2020	12:09:36	0.0	0.0	0.0
208	9/15/2020	12:10:36	0.0	0.0	0.0

209	9/15/2020	12:11:36	0.0	0.0	0.0
210	9/15/2020	12:12:36	0.0	0.0	0.0
211	9/15/2020	12:13:36	0.0	0.0	0.0
212	9/15/2020	12:14:36	0.0	0.0	0.0
213	9/15/2020	12:15:36	0.0	0.0	0.0
214	9/15/2020	12:16:36	0.0	0.0	0.0
215	9/15/2020	12:17:36	0.0	0.0	0.0
216	9/15/2020	12:18:36	0.0	0.0	0.0
217	9/15/2020	12:19:36	0.0	0.0	0.0
218	9/15/2020	12:20:36	0.0	0.0	0.0
219	9/15/2020	12:21:36	0.0	0.0	0.0
220	9/15/2020	12:22:36	0.0	0.0	0.0
221	9/15/2020	12:23:36	0.0	0.0	0.0
222	9/15/2020	12:24:36	0.0	0.0	0.0
223	9/15/2020	12:25:36	0.0	0.0	0.0
224	9/15/2020	12:26:36	0.0	0.0	0.0
225	9/15/2020	12:27:36	0.0	0.0	0.0
226	9/15/2020	12:28:36	0.0	0.0	0.0
227	9/15/2020	12:29:36	0.0	0.0	0.0
228	9/15/2020	12:30:36	0.0	0.0	0.0
229	9/15/2020	12:31:36	0.0	0.0	0.0
230	9/15/2020	12:32:36	0.0	0.0	0.0
231	9/15/2020	12:33:36	0.0	0.0	0.0
232	9/15/2020	12:34:36	0.0	0.0	0.0
233	9/15/2020	12:35:36	0.0	0.0	0.0
234	9/15/2020	12:36:36	0.0	0.0	0.0
235	9/15/2020	12:37:36	0.0	0.0	0.0
236	9/15/2020	12:38:36	0.0	0.0	0.0
237	9/15/2020	12:39:36	0.0	0.0	0.0
238	9/15/2020	12:40:36	0.0	0.0	0.0
239	9/15/2020	12:41:36	0.0	0.0	0.0
240	9/15/2020	12:42:36	0.0	0.0	0.0
241	9/15/2020	12:43:36	0.0	0.0	0.0
242	9/15/2020	12:44:36	0.0	0.0	0.0
243	9/15/2020	12:45:36	0.0	0.0	0.0
244	9/15/2020	12:46:36	0.0	0.0	0.0
245	9/15/2020	12:47:36	0.0	0.0	0.0
246	9/15/2020	12:48:36	0.0	0.0	0.0
247	9/15/2020	12:49:36	0.0	0.0	0.0
248	9/15/2020	12:50:36	0.0	0.0	0.0
249	9/15/2020	12:51:36	0.0	0.0	0.0
250	9/15/2020	12:52:36	0.0	0.0	0.0
251	9/15/2020	12:53:36	0.0	0.0	0.0
252	9/15/2020	12:54:36	0.0	0.0	0.0
253	9/15/2020	12:55:36	0.0	0.0	0.0
254	9/15/2020	12:56:36	0.0	0.0	0.0
255	9/15/2020	12:57:36	0.0	0.0	0.0
256	9/15/2020	12:58:36	0.0	0.0	0.0
257	9/15/2020	12:59:36	0.0	0.0	0.0
258	9/15/2020	13:00:36	0.0	0.0	0.0

259	9/15/2020 13:01:36	0.0	0.0	0.0
260	9/15/2020 13:02:36	0.0	0.0	0.0
261	9/15/2020 13:03:36	0.0	0.0	0.0
262	9/15/2020 13:04:36	0.0	0.0	0.0
263	9/15/2020 13:05:36	0.0	0.0	0.0
264	9/15/2020 13:06:36	0.0	0.2	0.2
265	9/15/2020 13:07:36	0.0	0.2	0.0
266	9/15/2020 13:08:36	0.0	0.0	0.0
267	9/15/2020 13:09:36	0.0	0.0	0.0
268	9/15/2020 13:10:36	0.0	0.0	0.0
269	9/15/2020 13:11:36	0.0	0.0	0.0
270	9/15/2020 13:12:36	0.0	0.0	0.0
271	9/15/2020 13:13:36	0.0	0.0	0.0
272	9/15/2020 13:14:36	0.0	0.0	0.0
273	9/15/2020 13:15:36	0.0	0.0	0.0
274	9/15/2020 13:16:36	0.0	0.0	0.0
275	9/15/2020 13:17:36	0.0	0.0	0.0
276	9/15/2020 13:18:36	0.0	0.0	0.0
277	9/15/2020 13:19:36	0.0	0.0	0.0
278	9/15/2020 13:20:36	0.0	0.0	0.0
279	9/15/2020 13:21:36	0.0	0.0	0.0
280	9/15/2020 13:22:36	0.0	0.0	0.0
281	9/15/2020 13:23:36	0.0	0.0	0.0
282	9/15/2020 13:24:36	0.0	0.0	0.0
283	9/15/2020 13:25:36	0.0	0.0	0.0
284	9/15/2020 13:26:36	0.0	0.0	0.0
285	9/15/2020 13:27:36	0.0	0.1	0.1
286	9/15/2020 13:28:36	0.0	0.0	0.0
287	9/15/2020 13:29:36	0.0	0.0	0.0
288	9/15/2020 13:30:36	0.0	0.1	0.0
289	9/15/2020 13:31:36	0.0	0.0	0.0
290	9/15/2020 13:32:36	0.0	0.0	0.0
291	9/15/2020 13:33:36	0.0	0.0	0.0
292	9/15/2020 13:34:36	0.0	0.0	0.0
293	9/15/2020 13:35:36	0.0	0.0	0.0
294	9/15/2020 13:36:36	0.0	0.0	0.0
295	9/15/2020 13:37:36	0.0	0.0	0.0
296	9/15/2020 13:38:36	0.0	0.0	0.0
297	9/15/2020 13:39:36	0.0	0.0	0.0
298	9/15/2020 13:40:36	0.0	0.0	0.0
299	9/15/2020 13:41:36	0.0	0.0	0.0
300	9/15/2020 13:42:36	0.0	0.0	0.0
301	9/15/2020 13:43:36	0.0	0.0	0.0
302	9/15/2020 13:44:36	0.0	0.0	0.0
303	9/15/2020 13:45:36	0.0	0.0	0.0
304	9/15/2020 13:46:36	0.0	0.0	0.0
305	9/15/2020 13:47:36	0.0	0.0	0.0
306	9/15/2020 13:48:36	0.0	0.0	0.0
307	9/15/2020 13:49:36	0.0	0.0	0.0
308	9/15/2020 13:50:36	0.0	0.0	0.0

309	9/15/2020 13:51:36	0.0	0.0	0.0
310	9/15/2020 13:52:36	0.0	0.0	0.0
311	9/15/2020 13:53:36	0.0	0.0	0.0
312	9/15/2020 13:54:36	0.0	0.0	0.0
313	9/15/2020 13:55:36	0.0	0.0	0.0
314	9/15/2020 13:56:36	0.0	0.0	0.0
315	9/15/2020 13:57:36	0.0	0.0	0.0
316	9/15/2020 13:58:36	0.0	0.0	0.0
317	9/15/2020 13:59:36	0.0	0.0	0.0
318	9/15/2020 14:00:36	0.0	0.0	0.0
319	9/15/2020 14:01:36	0.0	0.0	0.0
320	9/15/2020 14:02:36	0.0	0.0	0.0
321	9/15/2020 14:03:36	0.0	0.0	0.0
322	9/15/2020 14:04:36	0.0	0.0	0.0
323	9/15/2020 14:05:36	0.0	0.0	0.0
324	9/15/2020 14:06:36	0.0	0.0	0.0
325	9/15/2020 14:07:36	0.0	0.0	0.0
326	9/15/2020 14:08:36	0.0	0.0	0.0
327	9/15/2020 14:09:36	0.0	0.0	0.0
328	9/15/2020 14:10:36	0.0	0.0	0.0
329	9/15/2020 14:11:36	0.0	0.0	0.0
330	9/15/2020 14:12:36	0.0	0.0	0.0
331	9/15/2020 14:13:36	0.0	0.0	0.0
332	9/15/2020 14:14:36	0.0	0.0	0.0
333	9/15/2020 14:15:36	0.0	0.0	0.0
334	9/15/2020 14:16:36	0.0	0.0	0.0
335	9/15/2020 14:17:36	0.0	0.0	0.0
336	9/15/2020 14:18:36	0.0	0.0	0.0
337	9/15/2020 14:19:36	0.0	0.0	0.0
338	9/15/2020 14:20:36	0.0	0.0	0.0
339	9/15/2020 14:21:36	0.0	0.0	0.0
340	9/15/2020 14:22:36	0.0	0.0	0.0
341	9/15/2020 14:23:36	0.0	0.0	0.0
342	9/15/2020 14:24:36	0.0	0.0	0.0
343	9/15/2020 14:25:36	0.0	0.0	0.0
344	9/15/2020 14:26:36	0.0	0.0	0.0
345	9/15/2020 14:27:36	0.0	0.0	0.0
346	9/15/2020 14:28:36	0.0	0.0	0.0
347	9/15/2020 14:29:36	0.0	0.0	0.0
348	9/15/2020 14:30:36	0.0	0.0	0.0
349	9/15/2020 14:31:36	0.0	0.0	0.0
350	9/15/2020 14:32:36	0.0	0.0	0.0
351	9/15/2020 14:33:36	0.0	0.0	0.0
352	9/15/2020 14:34:36	0.0	0.0	0.0
353	9/15/2020 14:35:36	0.0	0.0	0.0
354	9/15/2020 14:36:36	0.0	0.0	0.0
355	9/15/2020 14:37:36	0.0	0.0	0.0
356	9/15/2020 14:38:36	0.0	0.0	0.0
357	9/15/2020 14:39:36	0.0	0.0	0.0
358	9/15/2020 14:40:36	0.0	0.0	0.0

359	9/15/2020	14:41:36	0.0	0.2	0.2
360	9/15/2020	14:42:36	0.1	0.2	0.0
361	9/15/2020	14:43:36	0.0	0.1	0.0
362	9/15/2020	14:44:36	0.0	0.0	0.0
363	9/15/2020	14:45:36	0.0	0.0	0.0
364	9/15/2020	14:46:36	0.0	0.0	0.0
365	9/15/2020	14:47:36	0.0	0.0	0.0
366	9/15/2020	14:48:36	0.0	0.0	0.0
367	9/15/2020	14:49:36	0.0	0.0	0.0
368	9/15/2020	14:50:36	0.0	0.0	0.0
369	9/15/2020	14:51:36	0.1	0.2	0.0
Peak		0.1	0.2	0.2	
Min		0.0	0.0	0.0	
Average		0.0	0.0	0.0	

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	9/15/2020 08:43:36	0.0	---
002	9/15/2020 08:44:36	0.0	---
003	9/15/2020 08:45:36	0.0	---
004	9/15/2020 08:46:36	0.0	---
005	9/15/2020 08:47:36	0.0	---
006	9/15/2020 08:48:36	0.0	---
007	9/15/2020 08:49:36	0.0	---
008	9/15/2020 08:50:36	0.0	---
009	9/15/2020 08:51:36	0.0	---
010	9/15/2020 08:52:36	0.0	---
011	9/15/2020 08:53:36	0.0	---
012	9/15/2020 08:54:36	0.0	---
013	9/15/2020 08:55:36	0.0	---
014	9/15/2020 08:56:36	0.0	---
015	9/15/2020 08:57:36	0.0	0.0
016	9/15/2020 08:58:36	0.0	0.0
017	9/15/2020 08:59:36	0.0	0.0
018	9/15/2020 09:00:36	0.0	0.0
019	9/15/2020 09:01:36	0.0	0.0
020	9/15/2020 09:02:36	0.0	0.0
021	9/15/2020 09:03:36	0.0	0.0
022	9/15/2020 09:04:36	0.0	0.0
023	9/15/2020 09:05:36	0.0	0.0
024	9/15/2020 09:06:36	0.0	0.0
025	9/15/2020 09:07:36	0.0	0.0
026	9/15/2020 09:08:36	0.0	0.0
027	9/15/2020 09:09:36	0.0	0.0
028	9/15/2020 09:10:36	0.0	0.0
029	9/15/2020 09:11:36	0.0	0.0
030	9/15/2020 09:12:36	0.0	0.0
031	9/15/2020 09:13:36	0.0	0.0

032	9/15/2020 09:14:36	0.0	0.0
033	9/15/2020 09:15:36	0.0	0.0
034	9/15/2020 09:16:36	0.0	0.0
035	9/15/2020 09:17:36	0.0	0.0
036	9/15/2020 09:18:36	0.0	0.0
037	9/15/2020 09:19:36	0.0	0.0
038	9/15/2020 09:20:36	0.0	0.0
039	9/15/2020 09:21:36	0.0	0.0
040	9/15/2020 09:22:36	0.0	0.0
041	9/15/2020 09:23:36	0.0	0.0
042	9/15/2020 09:24:36	0.0	0.0
043	9/15/2020 09:25:36	0.0	0.0
044	9/15/2020 09:26:36	0.0	0.0
045	9/15/2020 09:27:36	0.0	0.0
046	9/15/2020 09:28:36	0.0	0.0
047	9/15/2020 09:29:36	0.0	0.0
048	9/15/2020 09:30:36	0.0	0.0
049	9/15/2020 09:31:36	0.0	0.0
050	9/15/2020 09:32:36	0.0	0.0
051	9/15/2020 09:33:36	0.0	0.0
052	9/15/2020 09:34:36	0.0	0.0
053	9/15/2020 09:35:36	0.0	0.0
054	9/15/2020 09:36:36	0.0	0.0
055	9/15/2020 09:37:36	0.0	0.0
056	9/15/2020 09:38:36	0.0	0.0
057	9/15/2020 09:39:36	0.0	0.0
058	9/15/2020 09:40:36	0.0	0.0
059	9/15/2020 09:41:36	0.0	0.0
060	9/15/2020 09:42:36	0.0	0.0
061	9/15/2020 09:43:36	0.0	0.0
062	9/15/2020 09:44:36	0.0	0.0
063	9/15/2020 09:45:36	0.0	0.0
064	9/15/2020 09:46:36	0.0	0.0
065	9/15/2020 09:47:36	0.0	0.0
066	9/15/2020 09:48:36	0.0	0.0
067	9/15/2020 09:49:36	0.0	0.0
068	9/15/2020 09:50:36	0.0	0.0
069	9/15/2020 09:51:36	0.0	0.0
070	9/15/2020 09:52:36	0.0	0.0
071	9/15/2020 09:53:36	0.0	0.0
072	9/15/2020 09:54:36	0.0	0.0
073	9/15/2020 09:55:36	0.0	0.0
074	9/15/2020 09:56:36	0.0	0.0
075	9/15/2020 09:57:36	0.0	0.0
076	9/15/2020 09:58:36	0.0	0.0
077	9/15/2020 09:59:36	0.0	0.0
078	9/15/2020 10:00:36	0.0	0.0
079	9/15/2020 10:01:36	0.0	0.0
080	9/15/2020 10:02:36	0.0	0.0
081	9/15/2020 10:03:36	0.0	0.0

082	9/15/2020	10:04:36	0.0	0.0
083	9/15/2020	10:05:36	0.0	0.0
084	9/15/2020	10:06:36	0.0	0.0
085	9/15/2020	10:07:36	0.0	0.0
086	9/15/2020	10:08:36	0.0	0.0
087	9/15/2020	10:09:36	0.0	0.0
088	9/15/2020	10:10:36	0.0	0.0
089	9/15/2020	10:11:36	0.0	0.0
090	9/15/2020	10:12:36	0.0	0.0
091	9/15/2020	10:13:36	0.0	0.0
092	9/15/2020	10:14:36	0.0	0.0
093	9/15/2020	10:15:36	0.0	0.0
094	9/15/2020	10:16:36	0.0	0.0
095	9/15/2020	10:17:36	0.0	0.0
096	9/15/2020	10:18:36	0.0	0.0
097	9/15/2020	10:19:36	0.0	0.0
098	9/15/2020	10:20:36	0.0	0.0
099	9/15/2020	10:21:36	0.0	0.0
100	9/15/2020	10:22:36	0.0	0.0
101	9/15/2020	10:23:36	0.0	0.0
102	9/15/2020	10:24:36	0.0	0.0
103	9/15/2020	10:25:36	0.0	0.0
104	9/15/2020	10:26:36	0.0	0.0
105	9/15/2020	10:27:36	0.0	0.0
106	9/15/2020	10:28:36	0.0	0.0
107	9/15/2020	10:29:36	0.0	0.0
108	9/15/2020	10:30:36	0.0	0.0
109	9/15/2020	10:31:36	0.0	0.0
110	9/15/2020	10:32:36	0.0	0.0
111	9/15/2020	10:33:36	0.0	0.0
112	9/15/2020	10:34:36	0.0	0.0
113	9/15/2020	10:35:36	0.0	0.0
114	9/15/2020	10:36:36	0.0	0.0
115	9/15/2020	10:37:36	0.0	0.0
116	9/15/2020	10:38:36	0.0	0.0
117	9/15/2020	10:39:36	0.0	0.0
118	9/15/2020	10:40:36	0.0	0.0
119	9/15/2020	10:41:36	0.0	0.0
120	9/15/2020	10:42:36	0.0	0.0
121	9/15/2020	10:43:36	0.0	0.0
122	9/15/2020	10:44:36	0.0	0.0
123	9/15/2020	10:45:36	0.0	0.0
124	9/15/2020	10:46:36	0.0	0.0
125	9/15/2020	10:47:36	0.0	0.0
126	9/15/2020	10:48:36	0.0	0.0
127	9/15/2020	10:49:36	0.0	0.0
128	9/15/2020	10:50:36	0.0	0.0
129	9/15/2020	10:51:36	0.0	0.0
130	9/15/2020	10:52:36	0.0	0.0
131	9/15/2020	10:53:36	0.0	0.0

132	9/15/2020 10:54:36	0.0	0.0
133	9/15/2020 10:55:36	0.0	0.0
134	9/15/2020 10:56:36	0.0	0.0
135	9/15/2020 10:57:36	0.0	0.0
136	9/15/2020 10:58:36	0.0	0.0
137	9/15/2020 10:59:36	0.0	0.0
138	9/15/2020 11:00:36	0.0	0.0
139	9/15/2020 11:01:36	0.0	0.0
140	9/15/2020 11:02:36	0.0	0.0
141	9/15/2020 11:03:36	0.0	0.0
142	9/15/2020 11:04:36	0.0	0.0
143	9/15/2020 11:05:36	0.0	0.0
144	9/15/2020 11:06:36	0.0	0.0
145	9/15/2020 11:07:36	0.0	0.0
146	9/15/2020 11:08:36	0.0	0.0
147	9/15/2020 11:09:36	0.0	0.0
148	9/15/2020 11:10:36	0.0	0.0
149	9/15/2020 11:11:36	0.0	0.0
150	9/15/2020 11:12:36	0.0	0.0
151	9/15/2020 11:13:36	0.0	0.0
152	9/15/2020 11:14:36	0.0	0.0
153	9/15/2020 11:15:36	0.0	0.0
154	9/15/2020 11:16:36	0.0	0.0
155	9/15/2020 11:17:36	0.0	0.0
156	9/15/2020 11:18:36	0.0	0.0
157	9/15/2020 11:19:36	0.0	0.0
158	9/15/2020 11:20:36	0.0	0.0
159	9/15/2020 11:21:36	0.0	0.0
160	9/15/2020 11:22:36	0.0	0.0
161	9/15/2020 11:23:36	0.0	0.0
162	9/15/2020 11:24:36	0.0	0.0
163	9/15/2020 11:25:36	0.0	0.0
164	9/15/2020 11:26:36	0.0	0.0
165	9/15/2020 11:27:36	0.0	0.0
166	9/15/2020 11:28:36	0.0	0.0
167	9/15/2020 11:29:36	0.0	0.0
168	9/15/2020 11:30:36	0.0	0.0
169	9/15/2020 11:31:36	0.0	0.0
170	9/15/2020 11:32:36	0.0	0.0
171	9/15/2020 11:33:36	0.0	0.0
172	9/15/2020 11:34:36	0.0	0.0
173	9/15/2020 11:35:36	0.0	0.0
174	9/15/2020 11:36:36	0.0	0.0
175	9/15/2020 11:37:36	0.0	0.0
176	9/15/2020 11:38:36	0.0	0.0
177	9/15/2020 11:39:36	0.0	0.0
178	9/15/2020 11:40:36	0.0	0.0
179	9/15/2020 11:41:36	0.0	0.0
180	9/15/2020 11:42:36	0.0	0.0
181	9/15/2020 11:43:36	0.0	0.0

182	9/15/2020	11:44:36	0.0	0.0
183	9/15/2020	11:45:36	0.0	0.0
184	9/15/2020	11:46:36	0.0	0.0
185	9/15/2020	11:47:36	0.0	0.0
186	9/15/2020	11:48:36	0.0	0.0
187	9/15/2020	11:49:36	0.0	0.0
188	9/15/2020	11:50:36	0.0	0.0
189	9/15/2020	11:51:36	0.0	0.0
190	9/15/2020	11:52:36	0.0	0.0
191	9/15/2020	11:53:36	0.0	0.0
192	9/15/2020	11:54:36	0.0	0.0
193	9/15/2020	11:55:36	0.0	0.0
194	9/15/2020	11:56:36	0.0	0.0
195	9/15/2020	11:57:36	0.0	0.0
196	9/15/2020	11:58:36	0.0	0.0
197	9/15/2020	11:59:36	0.0	0.0
198	9/15/2020	12:00:36	0.0	0.0
199	9/15/2020	12:01:36	0.0	0.0
200	9/15/2020	12:02:36	0.0	0.0
201	9/15/2020	12:03:36	0.0	0.0
202	9/15/2020	12:04:36	0.0	0.0
203	9/15/2020	12:05:36	0.0	0.0
204	9/15/2020	12:06:36	0.0	0.0
205	9/15/2020	12:07:36	0.0	0.0
206	9/15/2020	12:08:36	0.0	0.0
207	9/15/2020	12:09:36	0.0	0.0
208	9/15/2020	12:10:36	0.0	0.0
209	9/15/2020	12:11:36	0.0	0.0
210	9/15/2020	12:12:36	0.0	0.0
211	9/15/2020	12:13:36	0.0	0.0
212	9/15/2020	12:14:36	0.0	0.0
213	9/15/2020	12:15:36	0.0	0.0
214	9/15/2020	12:16:36	0.0	0.0
215	9/15/2020	12:17:36	0.0	0.0
216	9/15/2020	12:18:36	0.0	0.0
217	9/15/2020	12:19:36	0.0	0.0
218	9/15/2020	12:20:36	0.0	0.0
219	9/15/2020	12:21:36	0.0	0.0
220	9/15/2020	12:22:36	0.0	0.0
221	9/15/2020	12:23:36	0.0	0.0
222	9/15/2020	12:24:36	0.0	0.0
223	9/15/2020	12:25:36	0.0	0.0
224	9/15/2020	12:26:36	0.0	0.0
225	9/15/2020	12:27:36	0.0	0.0
226	9/15/2020	12:28:36	0.0	0.0
227	9/15/2020	12:29:36	0.0	0.0
228	9/15/2020	12:30:36	0.0	0.0
229	9/15/2020	12:31:36	0.0	0.0
230	9/15/2020	12:32:36	0.0	0.0
231	9/15/2020	12:33:36	0.0	0.0

232	9/15/2020 12:34:36	0.0	0.0
233	9/15/2020 12:35:36	0.0	0.0
234	9/15/2020 12:36:36	0.0	0.0
235	9/15/2020 12:37:36	0.0	0.0
236	9/15/2020 12:38:36	0.0	0.0
237	9/15/2020 12:39:36	0.0	0.0
238	9/15/2020 12:40:36	0.0	0.0
239	9/15/2020 12:41:36	0.0	0.0
240	9/15/2020 12:42:36	0.0	0.0
241	9/15/2020 12:43:36	0.0	0.0
242	9/15/2020 12:44:36	0.0	0.0
243	9/15/2020 12:45:36	0.0	0.0
244	9/15/2020 12:46:36	0.0	0.0
245	9/15/2020 12:47:36	0.0	0.0
246	9/15/2020 12:48:36	0.0	0.0
247	9/15/2020 12:49:36	0.0	0.0
248	9/15/2020 12:50:36	0.0	0.0
249	9/15/2020 12:51:36	0.0	0.0
250	9/15/2020 12:52:36	0.0	0.0
251	9/15/2020 12:53:36	0.0	0.0
252	9/15/2020 12:54:36	0.0	0.0
253	9/15/2020 12:55:36	0.0	0.0
254	9/15/2020 12:56:36	0.0	0.0
255	9/15/2020 12:57:36	0.0	0.0
256	9/15/2020 12:58:36	0.0	0.0
257	9/15/2020 12:59:36	0.0	0.0
258	9/15/2020 13:00:36	0.0	0.0
259	9/15/2020 13:01:36	0.0	0.0
260	9/15/2020 13:02:36	0.0	0.0
261	9/15/2020 13:03:36	0.0	0.0
262	9/15/2020 13:04:36	0.0	0.0
263	9/15/2020 13:05:36	0.0	0.0
264	9/15/2020 13:06:36	0.0	0.0
265	9/15/2020 13:07:36	0.0	0.0
266	9/15/2020 13:08:36	0.0	0.0
267	9/15/2020 13:09:36	0.0	0.0
268	9/15/2020 13:10:36	0.0	0.0
269	9/15/2020 13:11:36	0.0	0.0
270	9/15/2020 13:12:36	0.0	0.0
271	9/15/2020 13:13:36	0.0	0.0
272	9/15/2020 13:14:36	0.0	0.0
273	9/15/2020 13:15:36	0.0	0.0
274	9/15/2020 13:16:36	0.0	0.0
275	9/15/2020 13:17:36	0.0	0.0
276	9/15/2020 13:18:36	0.0	0.0
277	9/15/2020 13:19:36	0.0	0.0
278	9/15/2020 13:20:36	0.0	0.0
279	9/15/2020 13:21:36	0.0	0.0
280	9/15/2020 13:22:36	0.0	0.0
281	9/15/2020 13:23:36	0.0	0.0

282	9/15/2020 13:24:36	0.0	0.0
283	9/15/2020 13:25:36	0.0	0.0
284	9/15/2020 13:26:36	0.0	0.0
285	9/15/2020 13:27:36	0.0	0.0
286	9/15/2020 13:28:36	0.0	0.0
287	9/15/2020 13:29:36	0.0	0.0
288	9/15/2020 13:30:36	0.0	0.0
289	9/15/2020 13:31:36	0.0	0.0
290	9/15/2020 13:32:36	0.0	0.0
291	9/15/2020 13:33:36	0.0	0.0
292	9/15/2020 13:34:36	0.0	0.0
293	9/15/2020 13:35:36	0.0	0.0
294	9/15/2020 13:36:36	0.0	0.0
295	9/15/2020 13:37:36	0.0	0.0
296	9/15/2020 13:38:36	0.0	0.0
297	9/15/2020 13:39:36	0.0	0.0
298	9/15/2020 13:40:36	0.0	0.0
299	9/15/2020 13:41:36	0.0	0.0
300	9/15/2020 13:42:36	0.0	0.0
301	9/15/2020 13:43:36	0.0	0.0
302	9/15/2020 13:44:36	0.0	0.0
303	9/15/2020 13:45:36	0.0	0.0
304	9/15/2020 13:46:36	0.0	0.0
305	9/15/2020 13:47:36	0.0	0.0
306	9/15/2020 13:48:36	0.0	0.0
307	9/15/2020 13:49:36	0.0	0.0
308	9/15/2020 13:50:36	0.0	0.0
309	9/15/2020 13:51:36	0.0	0.0
310	9/15/2020 13:52:36	0.0	0.0
311	9/15/2020 13:53:36	0.0	0.0
312	9/15/2020 13:54:36	0.0	0.0
313	9/15/2020 13:55:36	0.0	0.0
314	9/15/2020 13:56:36	0.0	0.0
315	9/15/2020 13:57:36	0.0	0.0
316	9/15/2020 13:58:36	0.0	0.0
317	9/15/2020 13:59:36	0.0	0.0
318	9/15/2020 14:00:36	0.0	0.0
319	9/15/2020 14:01:36	0.0	0.0
320	9/15/2020 14:02:36	0.0	0.0
321	9/15/2020 14:03:36	0.0	0.0
322	9/15/2020 14:04:36	0.0	0.0
323	9/15/2020 14:05:36	0.0	0.0
324	9/15/2020 14:06:36	0.0	0.0
325	9/15/2020 14:07:36	0.0	0.0
326	9/15/2020 14:08:36	0.0	0.0
327	9/15/2020 14:09:36	0.0	0.0
328	9/15/2020 14:10:36	0.0	0.0
329	9/15/2020 14:11:36	0.0	0.0
330	9/15/2020 14:12:36	0.0	0.0
331	9/15/2020 14:13:36	0.0	0.0

332	9/15/2020	14:14:36	0.0	0.0
333	9/15/2020	14:15:36	0.0	0.0
334	9/15/2020	14:16:36	0.0	0.0
335	9/15/2020	14:17:36	0.0	0.0
336	9/15/2020	14:18:36	0.0	0.0
337	9/15/2020	14:19:36	0.0	0.0
338	9/15/2020	14:20:36	0.0	0.0
339	9/15/2020	14:21:36	0.0	0.0
340	9/15/2020	14:22:36	0.0	0.0
341	9/15/2020	14:23:36	0.0	0.0
342	9/15/2020	14:24:36	0.0	0.0
343	9/15/2020	14:25:36	0.0	0.0
344	9/15/2020	14:26:36	0.0	0.0
345	9/15/2020	14:27:36	0.0	0.0
346	9/15/2020	14:28:36	0.0	0.0
347	9/15/2020	14:29:36	0.0	0.0
348	9/15/2020	14:30:36	0.0	0.0
349	9/15/2020	14:31:36	0.0	0.0
350	9/15/2020	14:32:36	0.0	0.0
351	9/15/2020	14:33:36	0.0	0.0
352	9/15/2020	14:34:36	0.0	0.0
353	9/15/2020	14:35:36	0.0	0.0
354	9/15/2020	14:36:36	0.0	0.0
355	9/15/2020	14:37:36	0.0	0.0
356	9/15/2020	14:38:36	0.0	0.0
357	9/15/2020	14:39:36	0.0	0.0
358	9/15/2020	14:40:36	0.0	0.0
359	9/15/2020	14:41:36	0.0	0.0
360	9/15/2020	14:42:36	0.0	0.0
361	9/15/2020	14:43:36	0.0	0.0
362	9/15/2020	14:44:36	0.0	0.0
363	9/15/2020	14:45:36	0.0	0.0
364	9/15/2020	14:46:36	0.0	0.0
365	9/15/2020	14:47:36	0.0	0.0
366	9/15/2020	14:48:36	0.0	0.0
367	9/15/2020	14:49:36	0.0	0.0
368	9/15/2020	14:50:36	0.0	0.0
369	9/15/2020	14:51:36	0.0	0.0

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20/09/16 06:20

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-918988
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/16/2020 06:20:10
End 9/16/2020 14:10:26
Sample Period(s) 60
Number of Records 470

Sensor PID(ppm)
Sensor SN S023030089A2
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 8/31/2020 13:53
Peak 0.1
Min 0.0
Average 0.0

Datalog

	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time (Avg)	(Max)	(Real)
001	9/16/2020 06:21:10	0.0	0.0
002	9/16/2020 06:22:10	0.0	0.0
003	9/16/2020 06:23:10	0.0	0.0
004	9/16/2020 06:24:10	0.0	0.0
005	9/16/2020 06:25:10	0.0	0.0
006	9/16/2020 06:26:10	0.0	0.0
007	9/16/2020 06:27:10	0.0	0.0
008	9/16/2020 06:28:10	0.0	0.0

009	9/16/2020 06:29:10	0.0	0.0	0.0
010	9/16/2020 06:30:10	0.0	0.0	0.0
011	9/16/2020 06:31:10	0.0	0.0	0.0
012	9/16/2020 06:32:10	0.0	0.0	0.0
013	9/16/2020 06:33:10	0.0	0.0	0.0
014	9/16/2020 06:34:10	0.0	0.0	0.0
015	9/16/2020 06:35:10	0.0	0.0	0.0
016	9/16/2020 06:36:10	0.0	0.0	0.0
017	9/16/2020 06:37:10	0.0	0.0	0.0
018	9/16/2020 06:38:10	0.0	0.0	0.0
019	9/16/2020 06:39:10	0.0	0.0	0.0
020	9/16/2020 06:40:10	0.0	0.0	0.0
021	9/16/2020 06:41:10	0.0	0.0	0.0
022	9/16/2020 06:42:10	0.0	0.0	0.0
023	9/16/2020 06:43:10	0.0	0.0	0.0
024	9/16/2020 06:44:10	0.0	0.0	0.0
025	9/16/2020 06:45:10	0.0	0.0	0.0
026	9/16/2020 06:46:10	0.0	0.0	0.0
027	9/16/2020 06:47:10	0.0	0.0	0.0
028	9/16/2020 06:48:10	0.0	0.0	0.0
029	9/16/2020 06:49:10	0.0	0.0	0.0
030	9/16/2020 06:50:10	0.0	0.0	0.0
031	9/16/2020 06:51:10	0.0	0.0	0.0
032	9/16/2020 06:52:10	0.0	0.0	0.0
033	9/16/2020 06:53:10	0.0	0.0	0.0
034	9/16/2020 06:54:10	0.0	0.0	0.0
035	9/16/2020 06:55:10	0.0	0.0	0.0
036	9/16/2020 06:56:10	0.0	0.0	0.0
037	9/16/2020 06:57:10	0.0	0.0	0.0
038	9/16/2020 06:58:10	0.0	0.0	0.0
039	9/16/2020 06:59:10	0.0	0.0	0.0
040	9/16/2020 07:00:10	0.0	0.0	0.0
041	9/16/2020 07:01:10	0.0	0.0	0.0
042	9/16/2020 07:02:10	0.0	0.0	0.0
043	9/16/2020 07:03:10	0.0	0.0	0.0
044	9/16/2020 07:04:10	0.0	0.0	0.0
045	9/16/2020 07:05:10	0.0	0.0	0.0
046	9/16/2020 07:06:10	0.0	0.0	0.0
047	9/16/2020 07:07:10	0.0	0.0	0.0
048	9/16/2020 07:08:10	0.0	0.0	0.0
049	9/16/2020 07:09:10	0.0	0.0	0.0
050	9/16/2020 07:10:10	0.0	0.0	0.0
051	9/16/2020 07:11:10	0.0	0.0	0.0
052	9/16/2020 07:12:10	0.0	0.0	0.0
053	9/16/2020 07:13:10	0.0	0.0	0.0
054	9/16/2020 07:14:10	0.0	0.0	0.0
055	9/16/2020 07:15:10	0.0	0.0	0.0
056	9/16/2020 07:16:10	0.0	0.0	0.0
057	9/16/2020 07:17:10	0.0	0.0	0.0
058	9/16/2020 07:18:10	0.0	0.0	0.0

059	9/16/2020 07:19:10	0.0	0.0	0.0
060	9/16/2020 07:20:10	0.0	0.0	0.0
061	9/16/2020 07:21:10	0.0	0.0	0.0
062	9/16/2020 07:22:10	0.0	0.0	0.0
063	9/16/2020 07:23:10	0.0	0.0	0.0
064	9/16/2020 07:24:10	0.0	0.1	0.0
065	9/16/2020 07:25:10	0.0	0.0	0.0
066	9/16/2020 07:26:10	0.0	0.0	0.0
067	9/16/2020 07:27:10	0.0	0.0	0.0
068	9/16/2020 07:28:10	0.0	0.0	0.0
069	9/16/2020 07:29:10	0.0	0.0	0.0
070	9/16/2020 07:30:10	0.0	0.0	0.0
071	9/16/2020 07:31:10	0.0	0.0	0.0
072	9/16/2020 07:32:10	0.0	0.0	0.0
073	9/16/2020 07:33:10	0.0	0.0	0.0
074	9/16/2020 07:34:10	0.0	0.0	0.0
075	9/16/2020 07:35:10	0.0	0.0	0.0
076	9/16/2020 07:36:10	0.0	0.0	0.0
077	9/16/2020 07:37:10	0.0	0.0	0.0
078	9/16/2020 07:38:10	0.0	0.0	0.0
079	9/16/2020 07:39:10	0.0	0.0	0.0
080	9/16/2020 07:40:10	0.0	0.0	0.0
081	9/16/2020 07:41:10	0.0	0.0	0.0
082	9/16/2020 07:42:10	0.0	0.0	0.0
083	9/16/2020 07:43:10	0.0	0.0	0.0
084	9/16/2020 07:44:10	0.0	0.0	0.0
085	9/16/2020 07:45:10	0.0	0.0	0.0
086	9/16/2020 07:46:10	0.0	0.0	0.0
087	9/16/2020 07:47:10	0.0	0.0	0.0
088	9/16/2020 07:48:10	0.0	0.0	0.0
089	9/16/2020 07:49:10	0.0	0.0	0.0
090	9/16/2020 07:50:10	0.0	0.0	0.0
091	9/16/2020 07:51:10	0.0	0.0	0.0
092	9/16/2020 07:52:10	0.0	0.0	0.0
093	9/16/2020 07:53:10	0.0	0.0	0.0
094	9/16/2020 07:54:10	0.0	0.0	0.0
095	9/16/2020 07:55:10	0.0	0.0	0.0
096	9/16/2020 07:56:10	0.0	0.0	0.0
097	9/16/2020 07:57:10	0.0	0.0	0.0
098	9/16/2020 07:58:10	0.0	0.0	0.0
099	9/16/2020 07:59:10	0.0	0.0	0.0
100	9/16/2020 08:00:10	0.0	0.0	0.0
101	9/16/2020 08:01:10	0.0	0.0	0.0
102	9/16/2020 08:02:10	0.0	0.0	0.0
103	9/16/2020 08:03:10	0.0	0.0	0.0
104	9/16/2020 08:04:10	0.0	0.0	0.0
105	9/16/2020 08:05:10	0.0	0.0	0.0
106	9/16/2020 08:06:10	0.0	0.0	0.0
107	9/16/2020 08:07:10	0.0	0.0	0.0
108	9/16/2020 08:08:10	0.0	0.0	0.0

109	9/16/2020 08:09:10	0.0	0.0	0.0
110	9/16/2020 08:10:10	0.0	0.0	0.0
111	9/16/2020 08:11:10	0.0	0.0	0.0
112	9/16/2020 08:12:10	0.0	0.0	0.0
113	9/16/2020 08:13:10	0.0	0.0	0.0
114	9/16/2020 08:14:10	0.0	0.0	0.0
115	9/16/2020 08:15:10	0.0	0.0	0.0
116	9/16/2020 08:16:10	0.0	0.0	0.0
117	9/16/2020 08:17:10	0.0	0.0	0.0
118	9/16/2020 08:18:10	0.0	0.0	0.0
119	9/16/2020 08:19:10	0.0	0.0	0.0
120	9/16/2020 08:20:10	0.0	0.0	0.0
121	9/16/2020 08:21:10	0.0	0.0	0.0
122	9/16/2020 08:22:10	0.0	0.0	0.0
123	9/16/2020 08:23:10	0.0	0.0	0.0
124	9/16/2020 08:24:10	0.0	0.0	0.0
125	9/16/2020 08:25:10	0.0	0.0	0.0
126	9/16/2020 08:26:10	0.0	0.0	0.0
127	9/16/2020 08:27:10	0.0	0.0	0.0
128	9/16/2020 08:28:10	0.0	0.0	0.0
129	9/16/2020 08:29:10	0.0	0.0	0.0
130	9/16/2020 08:30:10	0.0	0.0	0.0
131	9/16/2020 08:31:10	0.0	0.0	0.0
132	9/16/2020 08:32:10	0.0	0.0	0.0
133	9/16/2020 08:33:10	0.0	0.0	0.0
134	9/16/2020 08:34:10	0.0	0.0	0.0
135	9/16/2020 08:35:10	0.0	0.0	0.0
136	9/16/2020 08:36:10	0.0	0.0	0.0
137	9/16/2020 08:37:10	0.0	0.0	0.0
138	9/16/2020 08:38:10	0.0	0.0	0.0
139	9/16/2020 08:39:10	0.0	0.0	0.0
140	9/16/2020 08:40:10	0.0	0.0	0.0
141	9/16/2020 08:41:10	0.0	0.0	0.0
142	9/16/2020 08:42:10	0.0	0.0	0.0
143	9/16/2020 08:43:10	0.0	0.0	0.0
144	9/16/2020 08:44:10	0.0	0.0	0.0
145	9/16/2020 08:45:10	0.0	0.0	0.0
146	9/16/2020 08:46:10	0.0	0.0	0.0
147	9/16/2020 08:47:10	0.0	0.0	0.0
148	9/16/2020 08:48:10	0.0	0.0	0.0
149	9/16/2020 08:49:10	0.0	0.0	0.0
150	9/16/2020 08:50:10	0.0	0.0	0.0
151	9/16/2020 08:51:10	0.0	0.0	0.0
152	9/16/2020 08:52:10	0.0	0.0	0.0
153	9/16/2020 08:53:10	0.0	0.0	0.0
154	9/16/2020 08:54:10	0.0	0.0	0.0
155	9/16/2020 08:55:10	0.0	0.0	0.0
156	9/16/2020 08:56:10	0.0	0.0	0.0
157	9/16/2020 08:57:10	0.0	0.0	0.0
158	9/16/2020 08:58:10	0.0	0.0	0.0

159	9/16/2020 08:59:10	0.0	0.0	0.0
160	9/16/2020 09:00:10	0.0	0.0	0.0
161	9/16/2020 09:01:10	0.0	0.0	0.0
162	9/16/2020 09:02:10	0.0	0.0	0.0
163	9/16/2020 09:03:10	0.0	0.0	0.0
164	9/16/2020 09:04:10	0.0	0.0	0.0
165	9/16/2020 09:05:10	0.0	0.0	0.0
166	9/16/2020 09:06:10	0.0	0.0	0.0
167	9/16/2020 09:07:10	0.0	0.0	0.0
168	9/16/2020 09:08:10	0.0	0.0	0.0
169	9/16/2020 09:09:10	0.0	0.0	0.0
170	9/16/2020 09:10:10	0.0	0.0	0.0
171	9/16/2020 09:11:10	0.0	0.0	0.0
172	9/16/2020 09:12:10	0.0	0.0	0.0
173	9/16/2020 09:13:10	0.0	0.0	0.0
174	9/16/2020 09:14:10	0.0	0.0	0.0
175	9/16/2020 09:15:10	0.0	0.0	0.0
176	9/16/2020 09:16:10	0.0	0.0	0.0
177	9/16/2020 09:17:10	0.0	0.0	0.0
178	9/16/2020 09:18:10	0.0	0.0	0.0
179	9/16/2020 09:19:10	0.0	0.0	0.0
180	9/16/2020 09:20:10	0.0	0.0	0.0
181	9/16/2020 09:21:10	0.0	0.0	0.0
182	9/16/2020 09:22:10	0.0	0.0	0.0
183	9/16/2020 09:23:10	0.0	0.0	0.0
184	9/16/2020 09:24:10	0.0	0.0	0.0
185	9/16/2020 09:25:10	0.0	0.0	0.0
186	9/16/2020 09:26:10	0.0	0.0	0.0
187	9/16/2020 09:27:10	0.0	0.0	0.0
188	9/16/2020 09:28:10	0.0	0.0	0.0
189	9/16/2020 09:29:10	0.0	0.0	0.0
190	9/16/2020 09:30:10	0.0	0.0	0.0
191	9/16/2020 09:31:10	0.0	0.0	0.0
192	9/16/2020 09:32:10	0.0	0.0	0.0
193	9/16/2020 09:33:10	0.0	0.0	0.0
194	9/16/2020 09:34:10	0.0	0.0	0.0
195	9/16/2020 09:35:10	0.0	0.0	0.0
196	9/16/2020 09:36:10	0.0	0.0	0.0
197	9/16/2020 09:37:10	0.0	0.0	0.0
198	9/16/2020 09:38:10	0.0	0.0	0.0
199	9/16/2020 09:39:10	0.0	0.0	0.0
200	9/16/2020 09:40:10	0.0	0.0	0.0
201	9/16/2020 09:41:10	0.0	0.0	0.0
202	9/16/2020 09:42:10	0.0	0.0	0.0
203	9/16/2020 09:43:10	0.0	0.0	0.0
204	9/16/2020 09:44:10	0.0	0.0	0.0
205	9/16/2020 09:45:10	0.0	0.0	0.0
206	9/16/2020 09:46:10	0.0	0.0	0.0
207	9/16/2020 09:47:10	0.0	0.0	0.0
208	9/16/2020 09:48:10	0.0	0.0	0.0

209	9/16/2020 09:49:10	0.0	0.0	0.0
210	9/16/2020 09:50:10	0.0	0.0	0.0
211	9/16/2020 09:51:10	0.0	0.0	0.0
212	9/16/2020 09:52:10	0.0	0.0	0.0
213	9/16/2020 09:53:10	0.0	0.0	0.0
214	9/16/2020 09:54:10	0.0	0.0	0.0
215	9/16/2020 09:55:10	0.0	0.0	0.0
216	9/16/2020 09:56:10	0.0	0.0	0.0
217	9/16/2020 09:57:10	0.0	0.0	0.0
218	9/16/2020 09:58:10	0.0	0.0	0.0
219	9/16/2020 09:59:10	0.0	0.0	0.0
220	9/16/2020 10:00:10	0.0	0.0	0.0
221	9/16/2020 10:01:10	0.0	0.0	0.0
222	9/16/2020 10:02:10	0.0	0.0	0.0
223	9/16/2020 10:03:10	0.0	0.0	0.0
224	9/16/2020 10:04:10	0.0	0.0	0.0
225	9/16/2020 10:05:10	0.0	0.0	0.0
226	9/16/2020 10:06:10	0.0	0.0	0.0
227	9/16/2020 10:07:10	0.0	0.0	0.0
228	9/16/2020 10:08:10	0.0	0.0	0.0
229	9/16/2020 10:09:10	0.0	0.0	0.0
230	9/16/2020 10:10:10	0.0	0.0	0.0
231	9/16/2020 10:11:10	0.0	0.0	0.0
232	9/16/2020 10:12:10	0.0	0.0	0.0
233	9/16/2020 10:13:10	0.0	0.0	0.0
234	9/16/2020 10:14:10	0.0	0.0	0.0
235	9/16/2020 10:15:10	0.0	0.0	0.0
236	9/16/2020 10:16:10	0.0	0.0	0.0
237	9/16/2020 10:17:10	0.0	0.0	0.0
238	9/16/2020 10:18:10	0.0	0.0	0.0
239	9/16/2020 10:19:10	0.0	0.0	0.0
240	9/16/2020 10:20:10	0.0	0.0	0.0
241	9/16/2020 10:21:10	0.0	0.0	0.0
242	9/16/2020 10:22:10	0.0	0.0	0.0
243	9/16/2020 10:23:10	0.0	0.0	0.0
244	9/16/2020 10:24:10	0.0	0.0	0.0
245	9/16/2020 10:25:10	0.0	0.0	0.0
246	9/16/2020 10:26:10	0.0	0.0	0.0
247	9/16/2020 10:27:10	0.0	0.0	0.0
248	9/16/2020 10:28:10	0.0	0.0	0.0
249	9/16/2020 10:29:10	0.0	0.0	0.0
250	9/16/2020 10:30:10	0.0	0.0	0.0
251	9/16/2020 10:31:10	0.0	0.0	0.0
252	9/16/2020 10:32:10	0.0	0.0	0.0
253	9/16/2020 10:33:10	0.0	0.0	0.0
254	9/16/2020 10:34:10	0.0	0.0	0.0
255	9/16/2020 10:35:10	0.0	0.0	0.0
256	9/16/2020 10:36:10	0.0	0.0	0.0
257	9/16/2020 10:37:10	0.0	0.0	0.0
258	9/16/2020 10:38:10	0.0	0.0	0.0

259	9/16/2020 10:39:10	0.0	0.0	0.0
260	9/16/2020 10:40:10	0.0	0.0	0.0
261	9/16/2020 10:41:10	0.0	0.0	0.0
262	9/16/2020 10:42:10	0.0	0.0	0.0
263	9/16/2020 10:43:10	0.0	0.0	0.0
264	9/16/2020 10:44:10	0.0	0.0	0.0
265	9/16/2020 10:45:10	0.0	0.0	0.0
266	9/16/2020 10:46:10	0.0	0.0	0.0
267	9/16/2020 10:47:10	0.0	0.0	0.0
268	9/16/2020 10:48:10	0.0	0.0	0.0
269	9/16/2020 10:49:10	0.0	0.0	0.0
270	9/16/2020 10:50:10	0.0	0.0	0.0
271	9/16/2020 10:51:10	0.0	0.0	0.0
272	9/16/2020 10:52:10	0.0	0.0	0.0
273	9/16/2020 10:53:10	0.0	0.0	0.0
274	9/16/2020 10:54:10	0.0	0.0	0.0
275	9/16/2020 10:55:10	0.0	0.0	0.0
276	9/16/2020 10:56:10	0.0	0.0	0.0
277	9/16/2020 10:57:10	0.0	0.0	0.0
278	9/16/2020 10:58:10	0.0	0.0	0.0
279	9/16/2020 10:59:10	0.0	0.0	0.0
280	9/16/2020 11:00:10	0.0	0.0	0.0
281	9/16/2020 11:01:10	0.0	0.0	0.0
282	9/16/2020 11:02:10	0.0	0.0	0.0
283	9/16/2020 11:03:10	0.0	0.0	0.0
284	9/16/2020 11:04:10	0.0	0.0	0.0
285	9/16/2020 11:05:10	0.0	0.0	0.0
286	9/16/2020 11:06:10	0.0	0.0	0.0
287	9/16/2020 11:07:10	0.0	0.0	0.0
288	9/16/2020 11:08:10	0.0	0.0	0.0
289	9/16/2020 11:09:10	0.0	0.0	0.0
290	9/16/2020 11:10:10	0.0	0.0	0.0
291	9/16/2020 11:11:10	0.0	0.0	0.0
292	9/16/2020 11:12:10	0.0	0.0	0.0
293	9/16/2020 11:13:10	0.0	0.0	0.0
294	9/16/2020 11:14:10	0.0	0.0	0.0
295	9/16/2020 11:15:10	0.0	0.0	0.0
296	9/16/2020 11:16:10	0.0	0.0	0.0
297	9/16/2020 11:17:10	0.0	0.0	0.0
298	9/16/2020 11:18:10	0.0	0.0	0.0
299	9/16/2020 11:19:10	0.0	0.0	0.0
300	9/16/2020 11:20:10	0.0	0.0	0.0
301	9/16/2020 11:21:10	0.0	0.0	0.0
302	9/16/2020 11:22:10	0.0	0.0	0.0
303	9/16/2020 11:23:10	0.0	0.0	0.0
304	9/16/2020 11:24:10	0.0	0.0	0.0
305	9/16/2020 11:25:10	0.0	0.0	0.0
306	9/16/2020 11:26:10	0.0	0.0	0.0
307	9/16/2020 11:27:10	0.0	0.0	0.0
308	9/16/2020 11:28:10	0.0	0.1	0.0

309	9/16/2020	11:29:10	0.0	0.0	0.0
310	9/16/2020	11:30:10	0.0	0.0	0.0
311	9/16/2020	11:31:10	0.0	0.0	0.0
312	9/16/2020	11:32:10	0.0	0.0	0.0
313	9/16/2020	11:33:10	0.0	0.0	0.0
314	9/16/2020	11:34:10	0.0	0.0	0.0
315	9/16/2020	11:35:10	0.0	0.0	0.0
316	9/16/2020	11:36:10	0.0	0.0	0.0
317	9/16/2020	11:37:10	0.0	0.0	0.0
318	9/16/2020	11:38:10	0.0	0.0	0.0
319	9/16/2020	11:39:10	0.0	0.0	0.0
320	9/16/2020	11:40:10	0.0	0.0	0.0
321	9/16/2020	11:41:10	0.0	0.0	0.0
322	9/16/2020	11:42:10	0.0	0.0	0.0
323	9/16/2020	11:43:10	0.0	0.0	0.0
324	9/16/2020	11:44:10	0.0	0.0	0.0
325	9/16/2020	11:45:10	0.0	0.0	0.0
326	9/16/2020	11:46:10	0.0	0.0	0.0
327	9/16/2020	11:47:10	0.0	0.0	0.0
328	9/16/2020	11:48:10	0.0	0.0	0.0
329	9/16/2020	11:49:10	0.0	0.0	0.0
330	9/16/2020	11:50:10	0.0	0.0	0.0
331	9/16/2020	11:51:10	0.0	0.0	0.0
332	9/16/2020	11:52:10	0.0	0.0	0.0
333	9/16/2020	11:53:10	0.0	0.0	0.0
334	9/16/2020	11:54:10	0.0	0.0	0.0
335	9/16/2020	11:55:10	0.0	0.0	0.0
336	9/16/2020	11:56:10	0.0	0.0	0.0
337	9/16/2020	11:57:10	0.0	0.0	0.0
338	9/16/2020	11:58:10	0.0	0.0	0.0
339	9/16/2020	11:59:10	0.0	0.0	0.0
340	9/16/2020	12:00:10	0.0	0.0	0.0
341	9/16/2020	12:01:10	0.0	0.0	0.0
342	9/16/2020	12:02:10	0.0	0.0	0.0
343	9/16/2020	12:03:10	0.0	0.0	0.0
344	9/16/2020	12:04:10	0.0	0.0	0.0
345	9/16/2020	12:05:10	0.0	0.0	0.0
346	9/16/2020	12:06:10	0.0	0.0	0.0
347	9/16/2020	12:07:10	0.0	0.0	0.0
348	9/16/2020	12:08:10	0.0	0.0	0.0
349	9/16/2020	12:09:10	0.0	0.0	0.0
350	9/16/2020	12:10:10	0.0	0.0	0.0
351	9/16/2020	12:11:10	0.0	0.0	0.0
352	9/16/2020	12:12:10	0.0	0.0	0.0
353	9/16/2020	12:13:10	0.0	0.0	0.0
354	9/16/2020	12:14:10	0.0	0.0	0.0
355	9/16/2020	12:15:10	0.0	0.0	0.0
356	9/16/2020	12:16:10	0.0	0.0	0.0
357	9/16/2020	12:17:10	0.0	0.0	0.0
358	9/16/2020	12:18:10	0.0	0.0	0.0

359	9/16/2020 12:19:10	0.0	0.0	0.0
360	9/16/2020 12:20:10	0.0	0.0	0.0
361	9/16/2020 12:21:10	0.0	0.0	0.0
362	9/16/2020 12:22:10	0.0	0.0	0.0
363	9/16/2020 12:23:10	0.0	0.0	0.0
364	9/16/2020 12:24:10	0.0	0.0	0.0
365	9/16/2020 12:25:10	0.0	0.0	0.0
366	9/16/2020 12:26:10	0.0	0.0	0.0
367	9/16/2020 12:27:10	0.0	0.0	0.0
368	9/16/2020 12:28:10	0.0	0.0	0.0
369	9/16/2020 12:29:10	0.0	0.0	0.0
370	9/16/2020 12:30:10	0.0	0.0	0.0
371	9/16/2020 12:31:10	0.0	0.0	0.0
372	9/16/2020 12:32:10	0.0	0.0	0.0
373	9/16/2020 12:33:10	0.0	0.0	0.0
374	9/16/2020 12:34:10	0.0	0.0	0.0
375	9/16/2020 12:35:10	0.0	0.0	0.0
376	9/16/2020 12:36:10	0.0	0.0	0.0
377	9/16/2020 12:37:10	0.0	0.0	0.0
378	9/16/2020 12:38:10	0.0	0.0	0.0
379	9/16/2020 12:39:10	0.0	0.0	0.0
380	9/16/2020 12:40:10	0.0	0.0	0.0
381	9/16/2020 12:41:10	0.0	0.0	0.0
382	9/16/2020 12:42:10	0.0	0.0	0.0
383	9/16/2020 12:43:10	0.0	0.0	0.0
384	9/16/2020 12:44:10	0.0	0.0	0.0
385	9/16/2020 12:45:10	0.0	0.0	0.0
386	9/16/2020 12:46:10	0.0	0.0	0.0
387	9/16/2020 12:47:10	0.0	0.0	0.0
388	9/16/2020 12:48:10	0.0	0.0	0.0
389	9/16/2020 12:49:10	0.0	0.0	0.0
390	9/16/2020 12:50:10	0.0	0.0	0.0
391	9/16/2020 12:51:10	0.0	0.0	0.0
392	9/16/2020 12:52:10	0.0	0.0	0.0
393	9/16/2020 12:53:10	0.0	0.0	0.0
394	9/16/2020 12:54:10	0.0	0.0	0.0
395	9/16/2020 12:55:10	0.0	0.0	0.0
396	9/16/2020 12:56:10	0.0	0.1	0.0
397	9/16/2020 12:57:10	0.0	0.0	0.0
398	9/16/2020 12:58:10	0.0	0.0	0.0
399	9/16/2020 12:59:10	0.0	0.0	0.0
400	9/16/2020 13:00:10	0.0	0.0	0.0
401	9/16/2020 13:01:10	0.0	0.0	0.0
402	9/16/2020 13:02:10	0.0	0.0	0.0
403	9/16/2020 13:03:10	0.0	0.0	0.0
404	9/16/2020 13:04:10	0.0	0.0	0.0
405	9/16/2020 13:05:10	0.0	0.0	0.0
406	9/16/2020 13:06:10	0.0	0.0	0.0
407	9/16/2020 13:07:10	0.0	0.0	0.0
408	9/16/2020 13:08:10	0.0	0.0	0.0

409	9/16/2020 13:09:10	0.0	0.0	0.0
410	9/16/2020 13:10:10	0.0	0.0	0.0
411	9/16/2020 13:11:10	0.0	0.0	0.0
412	9/16/2020 13:12:10	0.0	0.0	0.0
413	9/16/2020 13:13:10	0.0	0.0	0.0
414	9/16/2020 13:14:10	0.0	0.0	0.0
415	9/16/2020 13:15:10	0.0	0.0	0.0
416	9/16/2020 13:16:10	0.0	0.0	0.0
417	9/16/2020 13:17:10	0.0	0.0	0.0
418	9/16/2020 13:18:10	0.0	0.0	0.0
419	9/16/2020 13:19:10	0.0	0.0	0.0
420	9/16/2020 13:20:10	0.0	0.0	0.0
421	9/16/2020 13:21:10	0.0	0.0	0.0
422	9/16/2020 13:22:10	0.0	0.0	0.0
423	9/16/2020 13:23:10	0.0	0.0	0.0
424	9/16/2020 13:24:10	0.0	0.0	0.0
425	9/16/2020 13:25:10	0.0	0.0	0.0
426	9/16/2020 13:26:10	0.0	0.0	0.0
427	9/16/2020 13:27:10	0.0	0.0	0.0
428	9/16/2020 13:28:10	0.0	0.0	0.0
429	9/16/2020 13:29:10	0.0	0.0	0.0
430	9/16/2020 13:30:10	0.0	0.0	0.0
431	9/16/2020 13:31:10	0.0	0.0	0.0
432	9/16/2020 13:32:10	0.0	0.0	0.0
433	9/16/2020 13:33:10	0.0	0.0	0.0
434	9/16/2020 13:34:10	0.0	0.0	0.0
435	9/16/2020 13:35:10	0.0	0.1	0.0
436	9/16/2020 13:36:10	0.0	0.0	0.0
437	9/16/2020 13:37:10	0.0	0.1	0.0
438	9/16/2020 13:38:10	0.0	0.1	0.0
439	9/16/2020 13:39:10	0.0	0.1	0.0
440	9/16/2020 13:40:10	0.0	0.1	0.0
441	9/16/2020 13:41:10	0.0	0.0	0.0
442	9/16/2020 13:42:10	0.0	0.0	0.0
443	9/16/2020 13:43:10	0.0	0.0	0.0
444	9/16/2020 13:44:10	0.0	0.0	0.0
445	9/16/2020 13:45:10	0.0	0.1	0.0
446	9/16/2020 13:46:10	0.0	0.1	0.1
447	9/16/2020 13:47:10	0.0	0.1	0.0
448	9/16/2020 13:48:10	0.0	0.0	0.0
449	9/16/2020 13:49:10	0.0	0.0	0.0
450	9/16/2020 13:50:10	0.0	0.0	0.0
451	9/16/2020 13:51:10	0.0	0.1	0.0
452	9/16/2020 13:52:10	0.0	0.1	0.0
453	9/16/2020 13:53:10	0.0	0.0	0.0
454	9/16/2020 13:54:10	0.0	0.1	0.0
455	9/16/2020 13:55:10	0.0	0.0	0.0
456	9/16/2020 13:56:10	0.0	0.1	0.0
457	9/16/2020 13:57:10	0.0	0.1	0.0
458	9/16/2020 13:58:10	0.0	0.1	0.0

459	9/16/2020	13:59:10	0.1	0.1	0.1
460	9/16/2020	14:00:10	0.0	0.1	0.0
461	9/16/2020	14:01:10	0.0	0.1	0.0
462	9/16/2020	14:02:10	0.0	0.0	0.0
463	9/16/2020	14:03:10	0.0	0.1	0.1
464	9/16/2020	14:04:10	0.0	0.1	0.0
465	9/16/2020	14:05:10	0.0	0.0	0.0
466	9/16/2020	14:06:10	0.0	0.1	0.0
467	9/16/2020	14:07:10	0.0	0.0	0.0
468	9/16/2020	14:08:10	0.0	0.1	0.0
469	9/16/2020	14:09:10	0.0	0.0	0.0
470	9/16/2020	14:10:10	0.0	0.0	0.0
Peak		0.1	0.1	0.1	
Min		0.0	0.0	0.0	
Average		0.0	0.0	0.0	

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	9/16/2020 06:21:10	0.0	---
002	9/16/2020 06:22:10	0.0	---
003	9/16/2020 06:23:10	0.0	---
004	9/16/2020 06:24:10	0.0	---
005	9/16/2020 06:25:10	0.0	---
006	9/16/2020 06:26:10	0.0	---
007	9/16/2020 06:27:10	0.0	---
008	9/16/2020 06:28:10	0.0	---
009	9/16/2020 06:29:10	0.0	---
010	9/16/2020 06:30:10	0.0	---
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020	9/16/2020 06:40:10	0.0	0.0
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373	9/16/2020	12:33:10	0.0	0.0
374	9/16/2020	12:34:10	0.0	0.0
375	9/16/2020	12:35:10	0.0	0.0
376	9/16/2020	12:36:10	0.0	0.0
377	9/16/2020	12:37:10	0.0	0.0
378	9/16/2020	12:38:10	0.0	0.0
379	9/16/2020	12:39:10	0.0	0.0
380	9/16/2020	12:40:10	0.0	0.0

381	9/16/2020 12:41:10	0.0	0.0
382	9/16/2020 12:42:10	0.0	0.0
383	9/16/2020 12:43:10	0.0	0.0
384	9/16/2020 12:44:10	0.0	0.0
385	9/16/2020 12:45:10	0.0	0.0
386	9/16/2020 12:46:10	0.0	0.0
387	9/16/2020 12:47:10	0.0	0.0
388	9/16/2020 12:48:10	0.0	0.0
389	9/16/2020 12:49:10	0.0	0.0
390	9/16/2020 12:50:10	0.0	0.0
391	9/16/2020 12:51:10	0.0	0.0
392	9/16/2020 12:52:10	0.0	0.0
393	9/16/2020 12:53:10	0.0	0.0
394	9/16/2020 12:54:10	0.0	0.0
395	9/16/2020 12:55:10	0.0	0.0
396	9/16/2020 12:56:10	0.0	0.0
397	9/16/2020 12:57:10	0.0	0.0
398	9/16/2020 12:58:10	0.0	0.0
399	9/16/2020 12:59:10	0.0	0.0
400	9/16/2020 13:00:10	0.0	0.0
401	9/16/2020 13:01:10	0.0	0.0
402	9/16/2020 13:02:10	0.0	0.0
403	9/16/2020 13:03:10	0.0	0.0
404	9/16/2020 13:04:10	0.0	0.0
405	9/16/2020 13:05:10	0.0	0.0
406	9/16/2020 13:06:10	0.0	0.0
407	9/16/2020 13:07:10	0.0	0.0
408	9/16/2020 13:08:10	0.0	0.0
409	9/16/2020 13:09:10	0.0	0.0
410	9/16/2020 13:10:10	0.0	0.0
411	9/16/2020 13:11:10	0.0	0.0
412	9/16/2020 13:12:10	0.0	0.0
413	9/16/2020 13:13:10	0.0	0.0
414	9/16/2020 13:14:10	0.0	0.0
415	9/16/2020 13:15:10	0.0	0.0
416	9/16/2020 13:16:10	0.0	0.0
417	9/16/2020 13:17:10	0.0	0.0
418	9/16/2020 13:18:10	0.0	0.0
419	9/16/2020 13:19:10	0.0	0.0
420	9/16/2020 13:20:10	0.0	0.0
421	9/16/2020 13:21:10	0.0	0.0
422	9/16/2020 13:22:10	0.0	0.0
423	9/16/2020 13:23:10	0.0	0.0
424	9/16/2020 13:24:10	0.0	0.0
425	9/16/2020 13:25:10	0.0	0.0
426	9/16/2020 13:26:10	0.0	0.0
427	9/16/2020 13:27:10	0.0	0.0
428	9/16/2020 13:28:10	0.0	0.0
429	9/16/2020 13:29:10	0.0	0.0
430	9/16/2020 13:30:10	0.0	0.0

431	9/16/2020	13:31:10	0.0	0.0
432	9/16/2020	13:32:10	0.0	0.0
433	9/16/2020	13:33:10	0.0	0.0
434	9/16/2020	13:34:10	0.0	0.0
435	9/16/2020	13:35:10	0.0	0.0
436	9/16/2020	13:36:10	0.0	0.0
437	9/16/2020	13:37:10	0.0	0.0
438	9/16/2020	13:38:10	0.0	0.0
439	9/16/2020	13:39:10	0.0	0.0
440	9/16/2020	13:40:10	0.0	0.0
441	9/16/2020	13:41:10	0.0	0.0
442	9/16/2020	13:42:10	0.0	0.0
443	9/16/2020	13:43:10	0.0	0.0
444	9/16/2020	13:44:10	0.0	0.0
445	9/16/2020	13:45:10	0.0	0.0
446	9/16/2020	13:46:10	0.0	0.0
447	9/16/2020	13:47:10	0.0	0.0
448	9/16/2020	13:48:10	0.0	0.0
449	9/16/2020	13:49:10	0.0	0.0
450	9/16/2020	13:50:10	0.0	0.0
451	9/16/2020	13:51:10	0.0	0.0
452	9/16/2020	13:52:10	0.0	0.0
453	9/16/2020	13:53:10	0.0	0.0
454	9/16/2020	13:54:10	0.0	0.0
455	9/16/2020	13:55:10	0.0	0.0
456	9/16/2020	13:56:10	0.0	0.0
457	9/16/2020	13:57:10	0.0	0.0
458	9/16/2020	13:58:10	0.0	0.0
459	9/16/2020	13:59:10	0.0	0.0
460	9/16/2020	14:00:10	0.0	0.0
461	9/16/2020	14:01:10	0.0	0.0
462	9/16/2020	14:02:10	0.0	0.0
463	9/16/2020	14:03:10	0.0	0.0
464	9/16/2020	14:04:10	0.0	0.0
465	9/16/2020	14:05:10	0.0	0.0
466	9/16/2020	14:06:10	0.0	0.0
467	9/16/2020	14:07:10	0.0	0.0
468	9/16/2020	14:08:10	0.0	0.0
469	9/16/2020	14:09:10	0.0	0.0
470	9/16/2020	14:10:10	0.0	0.0

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20/09/25 06:33

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-925167

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 9/25/2020 6:33

End 9/25/2020 9:46

Sample Period(s) 900

Number of Records 12

Sensor PID(ppm)

Sensor SN S023030043V4

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 100

TWA Alarm 50

Measurement Gas Isobutylene

Calibration Time 9/23/2020 16:23

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	9/25/2020 6:48		0	0	0
2	9/25/2020 7:03		0	0	0
3	9/25/2020 7:18		0	0	0
4	9/25/2020 7:33		0	0	0
5	9/25/2020 7:48		0	0	0

6	9/25/2020 8:03	0	0	0
7	9/25/2020 8:18	0	0	0
8	9/25/2020 8:33	0	0	0
9	9/25/2020 8:48	0	0	0
10	9/25/2020 9:03	0	0	0
11	9/25/2020 9:18	0	0	0
12	9/25/2020 9:33	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	9/25/2020 6:48	0	0
2	9/25/2020 7:03	0	0
3	9/25/2020 7:18	0	0
4	9/25/2020 7:33	0	0
5	9/25/2020 7:48	0	0
6	9/25/2020 8:03	0	0
7	9/25/2020 8:18	0	0
8	9/25/2020 8:33	0	0
9	9/25/2020 8:48	0	0
10	9/25/2020 9:03	0	0
11	9/25/2020 9:18	0	0
12	9/25/2020 9:33	0	0

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20/09/25 10:05

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-925167

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 9/25/2020 10:05

End 9/25/2020 12:32

Sample Period(s) 900

Number of Records 9

Sensor PID(ppm)

Sensor SN S023030043V4

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 100

TWA Alarm 50

Measurement Gas Isobutylene

Calibration Time 9/23/2020 16:23

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	9/25/2020 10:20		0	0	0
2	9/25/2020 10:35		0	0	0
3	9/25/2020 10:50		0	0	0
4	9/25/2020 11:05		0	0	0
5	9/25/2020 11:20		0	0	0

	6	9/25/2020 11:35	0	0	0
	7	9/25/2020 11:50	0	0	0
	8	9/25/2020 12:05	0	0	0
	9	9/25/2020 12:20	0	0	0
Peak			0	0	0
Min			0	0	0
Average			0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	9/25/2020 10:20	0	0
2	9/25/2020 10:35	0	0
3	9/25/2020 10:50	0	0
4	9/25/2020 11:05	0	0
5	9/25/2020 11:20	0	0
6	9/25/2020 11:35	0	0
7	9/25/2020 11:50	0	0
8	9/25/2020 12:05	0	0
9	9/25/2020 12:20	0	0

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20/10/20 07:19

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-905893

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 10/20/2020 7:19

End 10/20/2020 14:00

Sample Period(s) 900

Number of Records 26

Sensor PID(ppm)

Sensor SN S023030124WA

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 10/16/2020 10:55

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	10/20/2020 7:34		0	0	0
2	10/20/2020 7:49		0	0	0
3	10/20/2020 8:04		0	0	0
4	10/20/2020 8:19		0	0	0
5	10/20/2020 8:34		0	0	0

6	10/20/2020 8:49	0	0	0
7	10/20/2020 9:04	0	0	0
8	10/20/2020 9:19	0	0	0
9	10/20/2020 9:34	0	0	0
10	10/20/2020 9:49	0	0	0
11	10/20/2020 10:04	0	0	0
12	10/20/2020 10:19	0	0	0
13	10/20/2020 10:34	0	0	0
14	10/20/2020 10:49	0	0	0
15	10/20/2020 11:04	0	0	0
16	10/20/2020 11:19	0	0	0
17	10/20/2020 11:34	0	0	0
18	10/20/2020 11:49	0	0	0
19	10/20/2020 12:04	0	0	0
20	10/20/2020 12:19	0	0	0
21	10/20/2020 12:34	0	0	0
22	10/20/2020 12:49	0	0	0
23	10/20/2020 13:04	0	0	0
24	10/20/2020 13:19	0	0	0
25	10/20/2020 13:34	0	0	0
26	10/20/2020 13:49	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/20/2020 7:34	0	0
2	10/20/2020 7:49	0	0
3	10/20/2020 8:04	0	0
4	10/20/2020 8:19	0	0
5	10/20/2020 8:34	0	0
6	10/20/2020 8:49	0	0
7	10/20/2020 9:04	0	0
8	10/20/2020 9:19	0	0
9	10/20/2020 9:34	0	0
10	10/20/2020 9:49	0	0
11	10/20/2020 10:04	0	0
12	10/20/2020 10:19	0	0
13	10/20/2020 10:34	0	0
14	10/20/2020 10:49	0	0
15	10/20/2020 11:04	0	0
16	10/20/2020 11:19	0	0
17	10/20/2020 11:34	0	0
18	10/20/2020 11:49	0	0

19	10/20/2020 12:04	0	0
20	10/20/2020 12:19	0	0
21	10/20/2020 12:34	0	0
22	10/20/2020 12:49	0	0
23	10/20/2020 13:04	0	0
24	10/20/2020 13:19	0	0
25	10/20/2020 13:34	0	0
26	10/20/2020 13:49	0	0

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20/10/21 07:03

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-905893

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 10/21/2020 7:03

End 10/21/2020 11:42

Sample Period(s) 900

Number of Records 18

Sensor PID(ppm)

Sensor SN S023030124WA

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 10/16/2020 10:55

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	10/21/2020 7:18		0	0	0
2	10/21/2020 7:33		0	0	0
3	10/21/2020 7:48		0	0	0
4	10/21/2020 8:03		0	0	0
5	10/21/2020 8:18		0	0	0

6	10/21/2020 8:33	0	0	0
7	10/21/2020 8:48	0	0	0
8	10/21/2020 9:03	0	0	0
9	10/21/2020 9:18	0	0	0
10	10/21/2020 9:33	0	0	0
11	10/21/2020 9:48	0	0	0
12	10/21/2020 10:03	0	0	0
13	10/21/2020 10:18	0	0	0
14	10/21/2020 10:33	0	0	0
15	10/21/2020 10:48	0	0	0
16	10/21/2020 11:03	0	0	0
17	10/21/2020 11:18	0	0	0
18	10/21/2020 11:33	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/21/2020 7:18	0	0
2	10/21/2020 7:33	0	0
3	10/21/2020 7:48	0	0
4	10/21/2020 8:03	0	0
5	10/21/2020 8:18	0	0
6	10/21/2020 8:33	0	0
7	10/21/2020 8:48	0	0
8	10/21/2020 9:03	0	0
9	10/21/2020 9:18	0	0
10	10/21/2020 9:33	0	0
11	10/21/2020 9:48	0	0
12	10/21/2020 10:03	0	0
13	10/21/2020 10:18	0	0
14	10/21/2020 10:33	0	0
15	10/21/2020 10:48	0	0
16	10/21/2020 11:03	0	0
17	10/21/2020 11:18	0	0
18	10/21/2020 11:33	0	0

Downwind VOC

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20/06/17 08:55

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-912334

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/17/2020 8:55

End 6/17/2020 14:27

Sample Period(s) 60

Number of Records 332

Sensor PID(ppm)

Sensor SN S023030350V8

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 1025

TWA Alarm 1010

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:18

Peak 2

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	6/17/2020 8:56		0	0	0
2	6/17/2020 8:57		0	0	0
3	6/17/2020 8:58		0	0	0
4	6/17/2020 8:59		0	0	0
5	6/17/2020 9:00		0	0	0

6	6/17/2020 9:01	0	0	0
7	6/17/2020 9:02	0	0	0
8	6/17/2020 9:03	0	0	0
9	6/17/2020 9:04	0	0	0
10	6/17/2020 9:05	0	0	0
11	6/17/2020 9:06	0	0	0
12	6/17/2020 9:07	0	0	0
13	6/17/2020 9:08	0	0	0
14	6/17/2020 9:09	0	0	0
15	6/17/2020 9:10	0	0	0
16	6/17/2020 9:11	0	0	0
17	6/17/2020 9:12	0	0	0
18	6/17/2020 9:13	0	0	0
19	6/17/2020 9:14	0	0	0
20	6/17/2020 9:15	0	0	0
21	6/17/2020 9:16	0	0	0
22	6/17/2020 9:17	0	0	0
23	6/17/2020 9:18	0	0	0
24	6/17/2020 9:19	0	0	0
25	6/17/2020 9:20	0	0	0
26	6/17/2020 9:21	0	0	0
27	6/17/2020 9:22	0.1	1	0
28	6/17/2020 9:23	0	0	0
29	6/17/2020 9:24	0	0	0
30	6/17/2020 9:25	0	0	0
31	6/17/2020 9:26	0	0	0
32	6/17/2020 9:27	0	0	0
33	6/17/2020 9:28	0	0	0
34	6/17/2020 9:29	0	0	0
35	6/17/2020 9:30	0	0	0
36	6/17/2020 9:31	0	0	0
37	6/17/2020 9:32	0	0	0
38	6/17/2020 9:33	0	0	0
39	6/17/2020 9:34	0	0	0
40	6/17/2020 9:35	0	0	0
41	6/17/2020 9:36	0	0	0
42	6/17/2020 9:37	0	0	0
43	6/17/2020 9:38	0	0	0
44	6/17/2020 9:39	0	0	0
45	6/17/2020 9:40	0	0	0
46	6/17/2020 9:41	0	0	0
47	6/17/2020 9:42	0	0	0
48	6/17/2020 9:43	0	0	0
49	6/17/2020 9:44	0	0	0
50	6/17/2020 9:45	0	0	0
51	6/17/2020 9:46	0	0	0
52	6/17/2020 9:47	0	0	0

53	6/17/2020 9:48	0	0	0
54	6/17/2020 9:49	0	0	0
55	6/17/2020 9:50	0	0	0
56	6/17/2020 9:51	0	0	0
57	6/17/2020 9:52	0	0	0
58	6/17/2020 9:53	0	0	0
59	6/17/2020 9:54	0	0	0
60	6/17/2020 9:55	0	0	0
61	6/17/2020 9:56	0	0	0
62	6/17/2020 9:57	0	0	0
63	6/17/2020 9:58	0	0	0
64	6/17/2020 9:59	0	0	0
65	6/17/2020 10:00	0	0	0
66	6/17/2020 10:01	0	0	0
67	6/17/2020 10:02	0	0	0
68	6/17/2020 10:03	0	0	0
69	6/17/2020 10:04	0	0	0
70	6/17/2020 10:05	0	0	0
71	6/17/2020 10:06	0	0	0
72	6/17/2020 10:07	0	0	0
73	6/17/2020 10:08	0	0	0
74	6/17/2020 10:09	0	0	0
75	6/17/2020 10:10	0	0	0
76	6/17/2020 10:11	0	0	0
77	6/17/2020 10:12	0	0	0
78	6/17/2020 10:13	0	0	0
79	6/17/2020 10:14	0	0	0
80	6/17/2020 10:15	0	0	0
81	6/17/2020 10:16	0	0	0
82	6/17/2020 10:17	0	0	0
83	6/17/2020 10:18	0	0	0
84	6/17/2020 10:19	0	0	0
85	6/17/2020 10:20	0	0	0
86	6/17/2020 10:21	0	0	0
87	6/17/2020 10:22	0	0	0
88	6/17/2020 10:23	0	0	0
89	6/17/2020 10:24	0.1	2	2
90	6/17/2020 10:25	0.3	2.2	0
91	6/17/2020 10:26	0	0	0
92	6/17/2020 10:27	0	0.2	0
93	6/17/2020 10:28	0	0	0
94	6/17/2020 10:29	0	0	0
95	6/17/2020 10:30	0	0	0
96	6/17/2020 10:31	0	0	0
97	6/17/2020 10:32	0	0	0
98	6/17/2020 10:33	0	0	0
99	6/17/2020 10:34	0	0	0

100	6/17/2020 10:35	0	0	0
101	6/17/2020 10:36	0	0	0
102	6/17/2020 10:37	0	0	0
103	6/17/2020 10:38	0	0	0
104	6/17/2020 10:39	0	0	0
105	6/17/2020 10:40	0	0	0
106	6/17/2020 10:41	0	0	0
107	6/17/2020 10:42	0	0	0
108	6/17/2020 10:43	0	0	0
109	6/17/2020 10:44	0	0	0
110	6/17/2020 10:45	0	0	0
111	6/17/2020 10:46	0	0	0
112	6/17/2020 10:47	0	0	0
113	6/17/2020 10:48	0	0	0
114	6/17/2020 10:49	0	0	0
115	6/17/2020 10:50	0	0	0
116	6/17/2020 10:51	0	0	0
117	6/17/2020 10:52	0	0	0
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119	6/17/2020 10:54	0	0	0
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123	6/17/2020 10:58	0	0	0
124	6/17/2020 10:59	0	0	0
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126	6/17/2020 11:01	0	0	0
127	6/17/2020 11:02	0	0	0
128	6/17/2020 11:03	0	0	0
129	6/17/2020 11:04	0	0	0
130	6/17/2020 11:05	0	0	0
131	6/17/2020 11:06	0	0	0
132	6/17/2020 11:07	0	0	0
133	6/17/2020 11:08	0	0	0
134	6/17/2020 11:09	0	0	0
135	6/17/2020 11:10	0	0	0
136	6/17/2020 11:11	0	0	0
137	6/17/2020 11:12	0	0	0
138	6/17/2020 11:13	0	0	0
139	6/17/2020 11:14	0	0	0
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142	6/17/2020 11:17	0	0	0
143	6/17/2020 11:18	0	0	0
144	6/17/2020 11:19	0	0	0
145	6/17/2020 11:20	0	0	0
146	6/17/2020 11:21	0	0	0

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148	6/17/2020 11:23	0	0	0
149	6/17/2020 11:24	0	0	0
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175	6/17/2020 11:50	0	0	0
176	6/17/2020 11:51	0	0	0
177	6/17/2020 11:52	0	0.1	0.1
178	6/17/2020 11:53	0.1	0.1	0.1
179	6/17/2020 11:54	0.1	0.1	0.1
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181	6/17/2020 11:56	0.2	0.2	0.2
182	6/17/2020 11:57	0.2	0.2	0.2
183	6/17/2020 11:58	0.2	0.2	0.2
184	6/17/2020 11:59	0.2	0.2	0.2
185	6/17/2020 12:00	0.1	0.2	0
186	6/17/2020 12:01	0	0	0
187	6/17/2020 12:02	0	0	0
188	6/17/2020 12:03	0	0	0
189	6/17/2020 12:04	0	0	0
190	6/17/2020 12:05	0	0	0
191	6/17/2020 12:06	0	0	0
192	6/17/2020 12:07	0	0	0
193	6/17/2020 12:08	0	0	0

194	6/17/2020 12:09	0	0	0
195	6/17/2020 12:10	0	0	0
196	6/17/2020 12:11	0	0	0
197	6/17/2020 12:12	0	0	0
198	6/17/2020 12:13	0	0	0
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226	6/17/2020 12:41	0	0	0
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245	6/17/2020 13:00	0	0	0
246	6/17/2020 13:01	0	0	0
247	6/17/2020 13:02	0.1	1.4	0
248	6/17/2020 13:03	0.2	1.7	1.1
249	6/17/2020 13:04	0	0.9	0
250	6/17/2020 13:05	0	0	0
251	6/17/2020 13:06	0	0	0
252	6/17/2020 13:07	0	0	0
253	6/17/2020 13:08	0	0	0
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255	6/17/2020 13:10	0	0	0
256	6/17/2020 13:11	0	0.7	0.7
257	6/17/2020 13:12	0	0.6	0
258	6/17/2020 13:13	0	0	0
259	6/17/2020 13:14	0	0	0
260	6/17/2020 13:15	0	0	0
261	6/17/2020 13:16	0	0	0
262	6/17/2020 13:17	0	0	0
263	6/17/2020 13:18	0	0	0
264	6/17/2020 13:19	0	0	0
265	6/17/2020 13:20	0	0	0
266	6/17/2020 13:21	0	0	0
267	6/17/2020 13:22	0	0	0
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273	6/17/2020 13:28	0	0	0
274	6/17/2020 13:29	0	0	0
275	6/17/2020 13:30	0	0	0
276	6/17/2020 13:31	0	0	0
277	6/17/2020 13:32	0	0	0
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287	6/17/2020 13:42	0	0	0

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305	6/17/2020 14:00	0	0	0
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307	6/17/2020 14:02	0	0	0
308	6/17/2020 14:03	0	0	0
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313	6/17/2020 14:08	0	0	0
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316	6/17/2020 14:11	0	0	0
317	6/17/2020 14:12	0	0	0
318	6/17/2020 14:13	0	0.2	0.1
319	6/17/2020 14:14	0	0.1	0
320	6/17/2020 14:15	0	0	0
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325	6/17/2020 14:20	0	0	0
326	6/17/2020 14:21	0	0	0
327	6/17/2020 14:22	0	0	0
328	6/17/2020 14:23	0	0	0
329	6/17/2020 14:24	0	0	0
330	6/17/2020 14:25	0	0	0
331	6/17/2020 14:26	0	0	0
332	6/17/2020 14:27	0	0	0
Peak		0.3	2.2	2
Min		0	0	0

Average

0

0

0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	6/17/2020 8:56		0 ---
2	6/17/2020 8:57		0 ---
3	6/17/2020 8:58		0 ---
4	6/17/2020 8:59		0 ---
5	6/17/2020 9:00		0 ---
6	6/17/2020 9:01		0 ---
7	6/17/2020 9:02		0 ---
8	6/17/2020 9:03		0 ---
9	6/17/2020 9:04		0 ---
10	6/17/2020 9:05		0 ---
11	6/17/2020 9:06		0 ---
12	6/17/2020 9:07		0 ---
13	6/17/2020 9:08		0 ---
14	6/17/2020 9:09		0 ---
15	6/17/2020 9:10	0	0
16	6/17/2020 9:11	0	0
17	6/17/2020 9:12	0	0
18	6/17/2020 9:13	0	0
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37	6/17/2020 9:32	0	0
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41	6/17/2020 9:36	0	0

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46	6/17/2020 9:41	0	0
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66	6/17/2020 10:01	0	0
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68	6/17/2020 10:03	0	0
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70	6/17/2020 10:05	0	0
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75	6/17/2020 10:10	0	0
76	6/17/2020 10:11	0	0
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79	6/17/2020 10:14	0	0
80	6/17/2020 10:15	0	0
81	6/17/2020 10:16	0	0
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251	6/17/2020 13:06	0	0.1
252	6/17/2020 13:07	0	0.1
253	6/17/2020 13:08	0	0.1
254	6/17/2020 13:09	0	0.1
255	6/17/2020 13:10	0	0.1
256	6/17/2020 13:11	0	0.1
257	6/17/2020 13:12	0	0.1
258	6/17/2020 13:13	0	0.1
259	6/17/2020 13:14	0	0.1
260	6/17/2020 13:15	0	0.1
261	6/17/2020 13:16	0	0.1
262	6/17/2020 13:17	0	0.1
263	6/17/2020 13:18	0	0.1
264	6/17/2020 13:19	0	0
265	6/17/2020 13:20	0	0
266	6/17/2020 13:21	0	0
267	6/17/2020 13:22	0	0
268	6/17/2020 13:23	0	0
269	6/17/2020 13:24	0	0
270	6/17/2020 13:25	0	0
271	6/17/2020 13:26	0	0
272	6/17/2020 13:27	0	0
273	6/17/2020 13:28	0	0
274	6/17/2020 13:29	0	0
275	6/17/2020 13:30	0	0
276	6/17/2020 13:31	0	0

277	6/17/2020 13:32	0	0
278	6/17/2020 13:33	0	0
279	6/17/2020 13:34	0	0
280	6/17/2020 13:35	0	0
281	6/17/2020 13:36	0	0
282	6/17/2020 13:37	0	0
283	6/17/2020 13:38	0	0
284	6/17/2020 13:39	0	0
285	6/17/2020 13:40	0	0
286	6/17/2020 13:41	0	0
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289	6/17/2020 13:44	0	0
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291	6/17/2020 13:46	0	0
292	6/17/2020 13:47	0	0
293	6/17/2020 13:48	0	0
294	6/17/2020 13:49	0	0
295	6/17/2020 13:50	0	0
296	6/17/2020 13:51	0	0
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299	6/17/2020 13:54	0	0
300	6/17/2020 13:55	0	0
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302	6/17/2020 13:57	0	0
303	6/17/2020 13:58	0	0
304	6/17/2020 13:59	0	0
305	6/17/2020 14:00	0	0
306	6/17/2020 14:01	0	0
307	6/17/2020 14:02	0	0
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309	6/17/2020 14:04	0	0
310	6/17/2020 14:05	0	0
311	6/17/2020 14:06	0	0
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314	6/17/2020 14:09	0	0
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319	6/17/2020 14:14	0	0
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324	6/17/2020 14:19	0	0
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328	6/17/2020 14:23	0	0
329	6/17/2020 14:24	0	0
330	6/17/2020 14:25	0	0
331	6/17/2020 14:26	0	0
332	6/17/2020 14:27	0	0

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20/06/18 08:04

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-912334

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/18/2020 8:04

End 6/18/2020 14:42

Sample Period(s) 60

Number of Records 398

Sensor PID(ppm)

Sensor SN S023030350V8

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 1025

TWA Alarm 1010

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:18

Peak 6.2

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	6/18/2020 8:05		0	0	0
2	6/18/2020 8:06		0	0	0
3	6/18/2020 8:07		0	0	0
4	6/18/2020 8:08		0	0.3	0
5	6/18/2020 8:09		0	0	0

6	6/18/2020 8:10	0	0	0
7	6/18/2020 8:11	0	0	0
8	6/18/2020 8:12	0	0	0
9	6/18/2020 8:13	0	0	0
10	6/18/2020 8:14	0	0	0
11	6/18/2020 8:15	0	0	0
12	6/18/2020 8:16	0	0	0
13	6/18/2020 8:17	0	0	0
14	6/18/2020 8:18	0	0	0
15	6/18/2020 8:19	0	0	0
16	6/18/2020 8:20	0	0	0
17	6/18/2020 8:21	0	0	0
18	6/18/2020 8:22	0	0	0
19	6/18/2020 8:23	0	0	0
20	6/18/2020 8:24	0	0	0
21	6/18/2020 8:25	0	0	0
22	6/18/2020 8:26	0	0	0
23	6/18/2020 8:27	0	0	0
24	6/18/2020 8:28	0	0	0
25	6/18/2020 8:29	0	0.7	0
26	6/18/2020 8:30	0	0	0
27	6/18/2020 8:31	0	0	0
28	6/18/2020 8:32	0	0	0
29	6/18/2020 8:33	0	0	0
30	6/18/2020 8:34	0	0	0
31	6/18/2020 8:35	0	0.1	0
32	6/18/2020 8:36	0	0	0
33	6/18/2020 8:37	0	0	0
34	6/18/2020 8:38	0	0	0
35	6/18/2020 8:39	0	0.1	0
36	6/18/2020 8:40	0	0.1	0
37	6/18/2020 8:41	0	0	0
38	6/18/2020 8:42	0	0	0
39	6/18/2020 8:43	0	0.1	0
40	6/18/2020 8:44	0	0	0
41	6/18/2020 8:45	0	0	0
42	6/18/2020 8:46	0	0	0
43	6/18/2020 8:47	0	0	0
44	6/18/2020 8:48	0	0	0
45	6/18/2020 8:49	0	0	0
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49	6/18/2020 8:53	0	0	0
50	6/18/2020 8:54	0	0	0
51	6/18/2020 8:55	0	0	0
52	6/18/2020 8:56	0	0	0

53	6/18/2020 8:57	0	0	0
54	6/18/2020 8:58	0	0	0
55	6/18/2020 8:59	0	0	0
56	6/18/2020 9:00	0	0	0
57	6/18/2020 9:01	0	0	0
58	6/18/2020 9:02	0	0	0
59	6/18/2020 9:03	0	0	0
60	6/18/2020 9:04	0	0	0
61	6/18/2020 9:05	0	0	0
62	6/18/2020 9:06	0	0	0
63	6/18/2020 9:07	0	0	0
64	6/18/2020 9:08	0	0	0
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66	6/18/2020 9:10	0	0	0
67	6/18/2020 9:11	0	0	0
68	6/18/2020 9:12	0	0	0
69	6/18/2020 9:13	0	0	0
70	6/18/2020 9:14	0	0	0
71	6/18/2020 9:15	0	0	0
72	6/18/2020 9:16	0	0	0
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82	6/18/2020 9:26	0	0	0
83	6/18/2020 9:27	0	0	0
84	6/18/2020 9:28	0	0	0
85	6/18/2020 9:29	0	0	0
86	6/18/2020 9:30	0	0	0
87	6/18/2020 9:31	0	0	0
88	6/18/2020 9:32	0	0	0
89	6/18/2020 9:33	0	0	0
90	6/18/2020 9:34	0	0	0
91	6/18/2020 9:35	0	0	0
92	6/18/2020 9:36	0	0	0
93	6/18/2020 9:37	0	0	0
94	6/18/2020 9:38	0	0	0
95	6/18/2020 9:39	0	0	0
96	6/18/2020 9:40	0	0	0
97	6/18/2020 9:41	0	0	0
98	6/18/2020 9:42	0	0	0
99	6/18/2020 9:43	0	0	0

100	6/18/2020 9:44	0	0	0
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102	6/18/2020 9:46	0	0	0
103	6/18/2020 9:47	0	0	0
104	6/18/2020 9:48	0	0	0
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114	6/18/2020 9:58	0	0	0
115	6/18/2020 9:59	0	0	0
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118	6/18/2020 10:02	0	0	0
119	6/18/2020 10:03	0	0	0
120	6/18/2020 10:04	0	0	0
121	6/18/2020 10:05	0	0	0
122	6/18/2020 10:06	0	0	0
123	6/18/2020 10:07	0.3	3.1	1.9
124	6/18/2020 10:08	1.8	16	0.5
125	6/18/2020 10:09	1.3	6.5	0
126	6/18/2020 10:10	0	0.2	0
127	6/18/2020 10:11	0	0	0
128	6/18/2020 10:12	0	0	0
129	6/18/2020 10:13	0.8	7.6	6.2
130	6/18/2020 10:14	1.3	6.1	3.2
131	6/18/2020 10:15	0.1	2.1	0
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143	6/18/2020 10:27	0	0	0
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180	6/18/2020 11:04	0	0	0
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239	6/18/2020 12:03	0	0	0
240	6/18/2020 12:04	0	0	0

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244	6/18/2020 12:08	0	0	0
245	6/18/2020 12:09	0	0	0
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267	6/18/2020 12:31	0	0	0
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298	6/18/2020 13:02	0.1	0.5	0
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300	6/18/2020 13:04	0	0	0
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331	6/18/2020 13:35	0	0	0
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358	6/18/2020 14:02	0	0	0
359	6/18/2020 14:03	0	0	0
360	6/18/2020 14:04	0	0	0
361	6/18/2020 14:05	0	0	0
362	6/18/2020 14:06	0	0	0
363	6/18/2020 14:07	0	0	0
364	6/18/2020 14:08	0	0	0
365	6/18/2020 14:09	0	0	0
366	6/18/2020 14:10	0	0	0
367	6/18/2020 14:11	0	0	0
368	6/18/2020 14:12	0	0	0
369	6/18/2020 14:13	0	0	0
370	6/18/2020 14:14	0	0	0
371	6/18/2020 14:15	0	0	0
372	6/18/2020 14:16	0	0	0
373	6/18/2020 14:17	0	0	0
374	6/18/2020 14:18	0	0	0
375	6/18/2020 14:19	0	0	0
376	6/18/2020 14:20	0	0	0
377	6/18/2020 14:21	0	0	0
378	6/18/2020 14:22	0	0	0
379	6/18/2020 14:23	0	0	0
380	6/18/2020 14:24	0	0	0
381	6/18/2020 14:25	0	0	0

382	6/18/2020 14:26	0	0	0
383	6/18/2020 14:27	0	0.1	0
384	6/18/2020 14:28	0	0	0
385	6/18/2020 14:29	0	0	0
386	6/18/2020 14:30	0	0	0
387	6/18/2020 14:31	0	0	0
388	6/18/2020 14:32	0	0	0
389	6/18/2020 14:33	0	0	0
390	6/18/2020 14:34	0	0	0
391	6/18/2020 14:35	0	0	0
392	6/18/2020 14:36	0	0	0
393	6/18/2020 14:37	0	0	0
394	6/18/2020 14:38	0	0	0
395	6/18/2020 14:39	0	0	0
396	6/18/2020 14:40	0	0	0
397	6/18/2020 14:41	0	0	0
398	6/18/2020 14:42	0	0	0
Peak		1.8	16	6.2
Min		0	0	0
Average		0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	6/18/2020 8:05		0 ---
2	6/18/2020 8:06		0 ---
3	6/18/2020 8:07		0 ---
4	6/18/2020 8:08		0 ---
5	6/18/2020 8:09		0 ---
6	6/18/2020 8:10		0 ---
7	6/18/2020 8:11		0 ---
8	6/18/2020 8:12		0 ---
9	6/18/2020 8:13		0 ---
10	6/18/2020 8:14		0 ---
11	6/18/2020 8:15		0 ---
12	6/18/2020 8:16		0 ---
13	6/18/2020 8:17		0 ---
14	6/18/2020 8:18		0 ---
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16	6/18/2020 8:20	0	0
17	6/18/2020 8:21	0	0
18	6/18/2020 8:22	0	0
19	6/18/2020 8:23	0	0
20	6/18/2020 8:24	0	0
21	6/18/2020 8:25	0	0
22	6/18/2020 8:26	0	0

23	6/18/2020 8:27	0	0
24	6/18/2020 8:28	0	0
25	6/18/2020 8:29	0	0
26	6/18/2020 8:30	0	0
27	6/18/2020 8:31	0	0
28	6/18/2020 8:32	0	0
29	6/18/2020 8:33	0	0
30	6/18/2020 8:34	0	0
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33	6/18/2020 8:37	0	0
34	6/18/2020 8:38	0	0
35	6/18/2020 8:39	0	0
36	6/18/2020 8:40	0	0
37	6/18/2020 8:41	0	0
38	6/18/2020 8:42	0	0
39	6/18/2020 8:43	0	0
40	6/18/2020 8:44	0	0
41	6/18/2020 8:45	0	0
42	6/18/2020 8:46	0	0
43	6/18/2020 8:47	0	0
44	6/18/2020 8:48	0	0
45	6/18/2020 8:49	0	0
46	6/18/2020 8:50	0	0
47	6/18/2020 8:51	0	0
48	6/18/2020 8:52	0	0
49	6/18/2020 8:53	0	0
50	6/18/2020 8:54	0	0
51	6/18/2020 8:55	0	0
52	6/18/2020 8:56	0	0
53	6/18/2020 8:57	0	0
54	6/18/2020 8:58	0	0
55	6/18/2020 8:59	0	0
56	6/18/2020 9:00	0	0
57	6/18/2020 9:01	0	0
58	6/18/2020 9:02	0	0
59	6/18/2020 9:03	0	0
60	6/18/2020 9:04	0	0
61	6/18/2020 9:05	0	0
62	6/18/2020 9:06	0	0
63	6/18/2020 9:07	0	0
64	6/18/2020 9:08	0	0
65	6/18/2020 9:09	0	0
66	6/18/2020 9:10	0	0
67	6/18/2020 9:11	0	0
68	6/18/2020 9:12	0	0
69	6/18/2020 9:13	0	0

70	6/18/2020 9:14	0	0
71	6/18/2020 9:15	0	0
72	6/18/2020 9:16	0	0
73	6/18/2020 9:17	0	0
74	6/18/2020 9:18	0	0
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78	6/18/2020 9:22	0	0
79	6/18/2020 9:23	0	0
80	6/18/2020 9:24	0	0
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86	6/18/2020 9:30	0	0
87	6/18/2020 9:31	0	0
88	6/18/2020 9:32	0	0
89	6/18/2020 9:33	0	0
90	6/18/2020 9:34	0	0
91	6/18/2020 9:35	0	0
92	6/18/2020 9:36	0	0
93	6/18/2020 9:37	0	0
94	6/18/2020 9:38	0	0
95	6/18/2020 9:39	0	0
96	6/18/2020 9:40	0	0
97	6/18/2020 9:41	0	0
98	6/18/2020 9:42	0	0
99	6/18/2020 9:43	0	0
100	6/18/2020 9:44	0	0
101	6/18/2020 9:45	0	0
102	6/18/2020 9:46	0	0
103	6/18/2020 9:47	0	0
104	6/18/2020 9:48	0	0
105	6/18/2020 9:49	0	0
106	6/18/2020 9:50	0	0
107	6/18/2020 9:51	0	0
108	6/18/2020 9:52	0	0
109	6/18/2020 9:53	0	0
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111	6/18/2020 9:55	0	0
112	6/18/2020 9:56	0	0
113	6/18/2020 9:57	0	0
114	6/18/2020 9:58	0	0
115	6/18/2020 9:59	0	0
116	6/18/2020 10:00	0	0

117	6/18/2020 10:01	0	0
118	6/18/2020 10:02	0	0
119	6/18/2020 10:03	0	0
120	6/18/2020 10:04	0	0
121	6/18/2020 10:05	0	0
122	6/18/2020 10:06	0	0
123	6/18/2020 10:07	0	0.1
124	6/18/2020 10:08	0	0.2
125	6/18/2020 10:09	0	0.2
126	6/18/2020 10:10	0	0.2
127	6/18/2020 10:11	0	0.2
128	6/18/2020 10:12	0	0.2
129	6/18/2020 10:13	0	0.6
130	6/18/2020 10:14	0	0.8
131	6/18/2020 10:15	0	0.8
132	6/18/2020 10:16	0	0.8
133	6/18/2020 10:17	0	0.8
134	6/18/2020 10:18	0	0.8
135	6/18/2020 10:19	0	0.8
136	6/18/2020 10:20	0	0.8
137	6/18/2020 10:21	0	0.8
138	6/18/2020 10:22	0	0.8
139	6/18/2020 10:23	0	0.7
140	6/18/2020 10:24	0	0.6
141	6/18/2020 10:25	0	0.6
142	6/18/2020 10:26	0	0.6
143	6/18/2020 10:27	0	0.6
144	6/18/2020 10:28	0	0.6
145	6/18/2020 10:29	0	0.2
146	6/18/2020 10:30	0	0
147	6/18/2020 10:31	0	0
148	6/18/2020 10:32	0	0
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158	6/18/2020 10:42	0	0
159	6/18/2020 10:43	0	0
160	6/18/2020 10:44	0	0
161	6/18/2020 10:45	0	0
162	6/18/2020 10:46	0	0
163	6/18/2020 10:47	0	0

164	6/18/2020 10:48	0	0
165	6/18/2020 10:49	0	0
166	6/18/2020 10:50	0	0
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168	6/18/2020 10:52	0	0
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191	6/18/2020 11:15	0	0
192	6/18/2020 11:16	0	0
193	6/18/2020 11:17	0	0
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198	6/18/2020 11:22	0	0
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206	6/18/2020 11:30	0	0
207	6/18/2020 11:31	0	0
208	6/18/2020 11:32	0	0
209	6/18/2020 11:33	0	0
210	6/18/2020 11:34	0	0

211	6/18/2020 11:35	0	0
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213	6/18/2020 11:37	0	0
214	6/18/2020 11:38	0	0
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253	6/18/2020 12:17	0	0
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255	6/18/2020 12:19	0	0
256	6/18/2020 12:20	0	0
257	6/18/2020 12:21	0	0

258	6/18/2020 12:22	0	0
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260	6/18/2020 12:24	0	0
261	6/18/2020 12:25	0	0
262	6/18/2020 12:26	0	0
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265	6/18/2020 12:29	0	0
266	6/18/2020 12:30	0	0
267	6/18/2020 12:31	0	0
268	6/18/2020 12:32	0	0
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270	6/18/2020 12:34	0	0
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273	6/18/2020 12:37	0	0
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286	6/18/2020 12:50	0	0
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293	6/18/2020 12:57	0	0
294	6/18/2020 12:58	0	0
295	6/18/2020 12:59	0	0
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299	6/18/2020 13:03	0	0
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301	6/18/2020 13:05	0	0
302	6/18/2020 13:06	0	0
303	6/18/2020 13:07	0	0
304	6/18/2020 13:08	0	0

305	6/18/2020 13:09	0	0
306	6/18/2020 13:10	0	0
307	6/18/2020 13:11	0	0
308	6/18/2020 13:12	0	0
309	6/18/2020 13:13	0	0
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337	6/18/2020 13:41	0	0
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347	6/18/2020 13:51	0	0
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354	6/18/2020 13:58	0	0
355	6/18/2020 13:59	0	0
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357	6/18/2020 14:01	0	0
358	6/18/2020 14:02	0	0
359	6/18/2020 14:03	0	0
360	6/18/2020 14:04	0	0
361	6/18/2020 14:05	0	0
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365	6/18/2020 14:09	0	0
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370	6/18/2020 14:14	0	0
371	6/18/2020 14:15	0	0
372	6/18/2020 14:16	0	0
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386	6/18/2020 14:30	0	0
387	6/18/2020 14:31	0	0
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391	6/18/2020 14:35	0	0
392	6/18/2020 14:36	0	0
393	6/18/2020 14:37	0	0
394	6/18/2020 14:38	0	0
395	6/18/2020 14:39	0	0
396	6/18/2020 14:40	0	0
397	6/18/2020 14:41	0	0
398	6/18/2020 14:42	0	0

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20/06/19 08:00

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-912334

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/19/2020 8:00

End 6/19/2020 17:17

Sample Period(s) 60

Number of Records 557

Sensor PID(ppm)

Sensor SN S023030350V8

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 1025

TWA Alarm 1010

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:18

Peak 0.6

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	6/19/2020 8:01	0	0	0
2	6/19/2020 8:02	0	0	0
3	6/19/2020 8:03	0	0	0
4	6/19/2020 8:04	0	0	0
5	6/19/2020 8:05	0	0	0

6	6/19/2020 8:06	0	0	0
7	6/19/2020 8:07	0	0	0
8	6/19/2020 8:08	0	0	0
9	6/19/2020 8:09	0	0	0
10	6/19/2020 8:10	0	0	0
11	6/19/2020 8:11	0	0	0
12	6/19/2020 8:12	0	0	0
13	6/19/2020 8:13	0	0	0
14	6/19/2020 8:14	0	0	0
15	6/19/2020 8:15	0	0	0
16	6/19/2020 8:16	0	0	0
17	6/19/2020 8:17	0	0	0
18	6/19/2020 8:18	0	0	0
19	6/19/2020 8:19	0	0	0
20	6/19/2020 8:20	0	0	0
21	6/19/2020 8:21	0	0	0
22	6/19/2020 8:22	0	0	0
23	6/19/2020 8:23	0	0	0
24	6/19/2020 8:24	0	0	0
25	6/19/2020 8:25	0	0	0
26	6/19/2020 8:26	0	0	0
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33	6/19/2020 8:33	0	0	0
34	6/19/2020 8:34	0	0	0
35	6/19/2020 8:35	0	0	0
36	6/19/2020 8:36	0	0	0
37	6/19/2020 8:37	0	0	0
38	6/19/2020 8:38	0	0	0
39	6/19/2020 8:39	0	0	0
40	6/19/2020 8:40	0	0	0
41	6/19/2020 8:41	0	0	0
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44	6/19/2020 8:44	0	0	0
45	6/19/2020 8:45	0	0	0
46	6/19/2020 8:46	0	0	0
47	6/19/2020 8:47	0.1	0.1	0
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52	6/19/2020 8:52	0	0	0

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55	6/19/2020 8:55	0	0	0
56	6/19/2020 8:56	0	0	0
57	6/19/2020 8:57	0	0.1	0.1
58	6/19/2020 8:58	0.1	0.1	0.1
59	6/19/2020 8:59	0	0.1	0
60	6/19/2020 9:00	0	0	0
61	6/19/2020 9:01	0	0	0
62	6/19/2020 9:02	0	0	0
63	6/19/2020 9:03	0	0	0
64	6/19/2020 9:04	0	0	0
65	6/19/2020 9:05	0	0	0
66	6/19/2020 9:06	0	0	0
67	6/19/2020 9:07	0	0	0
68	6/19/2020 9:08	0	0	0
69	6/19/2020 9:09	0	0	0
70	6/19/2020 9:10	0	0	0
71	6/19/2020 9:11	0	0	0
72	6/19/2020 9:12	0	0	0
73	6/19/2020 9:13	0	0	0
74	6/19/2020 9:14	0	0	0
75	6/19/2020 9:15	0	0	0
76	6/19/2020 9:16	0	0	0
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79	6/19/2020 9:19	0	0	0
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83	6/19/2020 9:23	0	0	0
84	6/19/2020 9:24	0	0	0
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86	6/19/2020 9:26	0	0	0
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95	6/19/2020 9:35	0	0	0
96	6/19/2020 9:36	0	0	0
97	6/19/2020 9:37	0	0	0
98	6/19/2020 9:38	0	0	0
99	6/19/2020 9:39	0	0	0

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101	6/19/2020 9:41	0	0	0
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103	6/19/2020 9:43	0	0	0
104	6/19/2020 9:44	0	0	0
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106	6/19/2020 9:46	0	0	0
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122	6/19/2020 10:02	0	0	0
123	6/19/2020 10:03	0	0	0
124	6/19/2020 10:04	0	0	0
125	6/19/2020 10:05	0	0	0
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132	6/19/2020 10:12	0	0	0
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138	6/19/2020 10:18	0	0	0
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140	6/19/2020 10:20	0	0	0
141	6/19/2020 10:21	0	0.1	0
142	6/19/2020 10:22	0	0	0
143	6/19/2020 10:23	0	0	0
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146	6/19/2020 10:26	0	0	0

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149	6/19/2020 10:29	0	0	0
150	6/19/2020 10:30	0	0	0
151	6/19/2020 10:31	0	0	0
152	6/19/2020 10:32	0	0	0
153	6/19/2020 10:33	0	0.2	0
154	6/19/2020 10:34	0	0	0
155	6/19/2020 10:35	0	0	0
156	6/19/2020 10:36	0	0	0
157	6/19/2020 10:37	0	0.1	0
158	6/19/2020 10:38	0	0.1	0
159	6/19/2020 10:39	0	0	0
160	6/19/2020 10:40	0	0	0
161	6/19/2020 10:41	0	0	0
162	6/19/2020 10:42	0	0	0
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178	6/19/2020 10:58	0	0	0
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184	6/19/2020 11:04	0	0	0
185	6/19/2020 11:05	0	0	0
186	6/19/2020 11:06	0	0	0
187	6/19/2020 11:07	0	0	0
188	6/19/2020 11:08	0	0	0
189	6/19/2020 11:09	0	0	0
190	6/19/2020 11:10	0	0	0
191	6/19/2020 11:11	0	0.1	0.1
192	6/19/2020 11:12	0.1	0.1	0.1
193	6/19/2020 11:13	0.1	0.2	0.2

194	6/19/2020 11:14	0.2	0.2	0.2
195	6/19/2020 11:15	0.2	0.2	0.2
196	6/19/2020 11:16	0.2	0.2	0.2
197	6/19/2020 11:17	0.2	0.2	0.2
198	6/19/2020 11:18	0.2	0.2	0.2
199	6/19/2020 11:19	0.2	0.2	0.2
200	6/19/2020 11:20	0.1	0.2	0
201	6/19/2020 11:21	0	0	0
202	6/19/2020 11:22	0	0	0
203	6/19/2020 11:23	0	0	0
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206	6/19/2020 11:26	0	0	0
207	6/19/2020 11:27	0	0	0
208	6/19/2020 11:28	0	0	0
209	6/19/2020 11:29	0	0	0
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211	6/19/2020 11:31	0	0	0
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217	6/19/2020 11:37	0	0	0
218	6/19/2020 11:38	0	0	0
219	6/19/2020 11:39	0	0.2	0
220	6/19/2020 11:40	0	0	0
221	6/19/2020 11:41	0	0	0
222	6/19/2020 11:42	0	0	0
223	6/19/2020 11:43	0	0	0
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227	6/19/2020 11:47	0	0	0
228	6/19/2020 11:48	0	0	0
229	6/19/2020 11:49	0	0	0
230	6/19/2020 11:50	0	0	0
231	6/19/2020 11:51	0	0	0
232	6/19/2020 11:52	0	0	0
233	6/19/2020 11:53	0	0	0
234	6/19/2020 11:54	0	0	0
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236	6/19/2020 11:56	0	0	0
237	6/19/2020 11:57	0	0	0
238	6/19/2020 11:58	0	0	0
239	6/19/2020 11:59	0	0	0
240	6/19/2020 12:00	0	0	0

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244	6/19/2020 12:04	0	0	0
245	6/19/2020 12:05	0	0	0
246	6/19/2020 12:06	0	0	0
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248	6/19/2020 12:08	0	0	0
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251	6/19/2020 12:11	0	0	0
252	6/19/2020 12:12	0	0	0
253	6/19/2020 12:13	0	0	0
254	6/19/2020 12:14	0	0	0
255	6/19/2020 12:15	0.1	0.2	0.2
256	6/19/2020 12:16	0.3	0.3	0.3
257	6/19/2020 12:17	0.3	0.3	0.3
258	6/19/2020 12:18	0.3	0.3	0.3
259	6/19/2020 12:19	0.3	0.3	0.3
260	6/19/2020 12:20	0.3	0.3	0.3
261	6/19/2020 12:21	0.3	0.3	0.3
262	6/19/2020 12:22	0.3	0.3	0.3
263	6/19/2020 12:23	0.3	0.3	0.3
264	6/19/2020 12:24	0.3	0.3	0.3
265	6/19/2020 12:25	0.3	0.3	0.3
266	6/19/2020 12:26	0.3	0.3	0.3
267	6/19/2020 12:27	0.3	0.3	0.3
268	6/19/2020 12:28	0.3	0.3	0.3
269	6/19/2020 12:29	0.3	0.3	0.3
270	6/19/2020 12:30	0.3	0.3	0.3
271	6/19/2020 12:31	0.3	0.3	0.3
272	6/19/2020 12:32	0.3	0.3	0.3
273	6/19/2020 12:33	0.3	0.3	0.2
274	6/19/2020 12:34	0.1	0.2	0.1
275	6/19/2020 12:35	0	0.1	0
276	6/19/2020 12:36	0	0	0
277	6/19/2020 12:37	0	0	0
278	6/19/2020 12:38	0	0	0
279	6/19/2020 12:39	0	0	0
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281	6/19/2020 12:41	0	0	0
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291	6/19/2020 12:51	0	0	0
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300	6/19/2020 13:00	0	0	0
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314	6/19/2020 13:14	0	0	0
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323	6/19/2020 13:23	0	0	0
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327	6/19/2020 13:27	0	0	0
328	6/19/2020 13:28	0	0	0
329	6/19/2020 13:29	0	0.1	0.1
330	6/19/2020 13:30	0.1	0.1	0.1
331	6/19/2020 13:31	0.2	0.2	0.2
332	6/19/2020 13:32	0.3	0.3	0.3
333	6/19/2020 13:33	0.3	0.3	0.3
334	6/19/2020 13:34	0.4	0.4	0.4

335	6/19/2020 13:35	0.4	0.4	0.4
336	6/19/2020 13:36	0.4	0.4	0.4
337	6/19/2020 13:37	0.5	0.5	0.5
338	6/19/2020 13:38	0.5	0.5	0.5
339	6/19/2020 13:39	0.5	0.5	0.5
340	6/19/2020 13:40	0.5	0.5	0.5
341	6/19/2020 13:41	0.5	0.5	0.5
342	6/19/2020 13:42	0.5	0.6	0.6
343	6/19/2020 13:43	0.6	0.6	0.6
344	6/19/2020 13:44	0.6	0.6	0.6
345	6/19/2020 13:45	0.6	0.6	0.6
346	6/19/2020 13:46	0.6	0.6	0.5
347	6/19/2020 13:47	0.4	0.5	0.4
348	6/19/2020 13:48	0.4	0.5	0.5
349	6/19/2020 13:49	0.5	0.5	0.5
350	6/19/2020 13:50	0.5	0.5	0.5
351	6/19/2020 13:51	0.4	0.5	0.4
352	6/19/2020 13:52	0.4	0.4	0.4
353	6/19/2020 13:53	0.4	0.4	0.4
354	6/19/2020 13:54	0.4	0.4	0.4
355	6/19/2020 13:55	0.3	0.4	0.3
356	6/19/2020 13:56	0.3	0.3	0.3
357	6/19/2020 13:57	0.3	0.3	0.3
358	6/19/2020 13:58	0.3	0.3	0.3
359	6/19/2020 13:59	0.2	0.3	0.1
360	6/19/2020 14:00	0.1	0.1	0
361	6/19/2020 14:01	0	0	0
362	6/19/2020 14:02	0	0	0
363	6/19/2020 14:03	0	0	0
364	6/19/2020 14:04	0	0	0
365	6/19/2020 14:05	0	0	0
366	6/19/2020 14:06	0	0	0
367	6/19/2020 14:07	0	0	0
368	6/19/2020 14:08	0	0	0
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370	6/19/2020 14:10	0	0	0
371	6/19/2020 14:11	0	0	0
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373	6/19/2020 14:13	0	0	0
374	6/19/2020 14:14	0	0	0
375	6/19/2020 14:15	0	0	0
376	6/19/2020 14:16	0	0	0
377	6/19/2020 14:17	0	0	0
378	6/19/2020 14:18	0	0	0
379	6/19/2020 14:19	0	0	0
380	6/19/2020 14:20	0	0	0
381	6/19/2020 14:21	0	0	0

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383	6/19/2020 14:23	0	0	0
384	6/19/2020 14:24	0	0	0
385	6/19/2020 14:25	0	0	0
386	6/19/2020 14:26	0	0	0
387	6/19/2020 14:27	0	0	0
388	6/19/2020 14:28	0	0	0
389	6/19/2020 14:29	0	0	0
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394	6/19/2020 14:34	0	0	0
395	6/19/2020 14:35	0	0	0
396	6/19/2020 14:36	0	0	0
397	6/19/2020 14:37	0	0	0
398	6/19/2020 14:38	0	0	0
399	6/19/2020 14:39	0	0	0
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401	6/19/2020 14:41	0	0	0
402	6/19/2020 14:42	0	0	0
403	6/19/2020 14:43	0	0	0
404	6/19/2020 14:44	0	0.4	0
405	6/19/2020 14:45	0	0	0
406	6/19/2020 14:46	0.1	0.8	0
407	6/19/2020 14:47	0	0.1	0
408	6/19/2020 14:48	0	0	0
409	6/19/2020 14:49	0	0.1	0
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411	6/19/2020 14:51	0.2	1.3	0
412	6/19/2020 14:52	0.1	0.8	0
413	6/19/2020 14:53	0	0	0
414	6/19/2020 14:54	0	0	0
415	6/19/2020 14:55	0	0	0
416	6/19/2020 14:56	0	0	0
417	6/19/2020 14:57	0	0	0
418	6/19/2020 14:58	0	0.2	0
419	6/19/2020 14:59	0	0	0
420	6/19/2020 15:00	0	0	0
421	6/19/2020 15:01	0	0	0
422	6/19/2020 15:02	0	0	0
423	6/19/2020 15:03	0	0	0
424	6/19/2020 15:04	0	0	0
425	6/19/2020 15:05	0	0	0
426	6/19/2020 15:06	0	0	0
427	6/19/2020 15:07	0	0	0
428	6/19/2020 15:08	0	0	0

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431	6/19/2020 15:11	0	0	0
432	6/19/2020 15:12	0	0	0
433	6/19/2020 15:13	0	0	0
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435	6/19/2020 15:15	0	0	0
436	6/19/2020 15:16	0	0	0
437	6/19/2020 15:17	0	0	0
438	6/19/2020 15:18	0	0	0
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441	6/19/2020 15:21	0	0	0
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446	6/19/2020 15:26	0	0	0
447	6/19/2020 15:27	0	0	0
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457	6/19/2020 15:37	0	0	0
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464	6/19/2020 15:44	0	0	0
465	6/19/2020 15:45	0	0	0
466	6/19/2020 15:46	0	0	0
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469	6/19/2020 15:49	0	0	0
470	6/19/2020 15:50	0	0	0
471	6/19/2020 15:51	0	0	0
472	6/19/2020 15:52	0	0	0
473	6/19/2020 15:53	0	0	0
474	6/19/2020 15:54	0	0	0
475	6/19/2020 15:55	0	0	0

476	6/19/2020 15:56	0	0	0
477	6/19/2020 15:57	0	0	0
478	6/19/2020 15:58	0	0	0
479	6/19/2020 15:59	0	0	0
480	6/19/2020 16:00	0	0	0
481	6/19/2020 16:01	0	0	0
482	6/19/2020 16:02	0	0	0
483	6/19/2020 16:03	0	0	0
484	6/19/2020 16:04	0	0	0
485	6/19/2020 16:05	0	0	0
486	6/19/2020 16:06	0	0	0
487	6/19/2020 16:07	0	0	0
488	6/19/2020 16:08	0	0	0
489	6/19/2020 16:09	0	0	0
490	6/19/2020 16:10	0	0	0
491	6/19/2020 16:11	0	0	0
492	6/19/2020 16:12	0	0	0
493	6/19/2020 16:13	0	0	0
494	6/19/2020 16:14	0	0	0
495	6/19/2020 16:15	0	0	0
496	6/19/2020 16:16	0	0	0
497	6/19/2020 16:17	0	0	0
498	6/19/2020 16:18	0	0	0
499	6/19/2020 16:19	0	0	0
500	6/19/2020 16:20	0	0	0
501	6/19/2020 16:21	0	0	0
502	6/19/2020 16:22	0	0	0
503	6/19/2020 16:23	0	0	0
504	6/19/2020 16:24	0	0	0
505	6/19/2020 16:25	0	0	0
506	6/19/2020 16:26	0	0	0
507	6/19/2020 16:27	0	0	0
508	6/19/2020 16:28	0	0	0
509	6/19/2020 16:29	0	0	0
510	6/19/2020 16:30	0	0	0
511	6/19/2020 16:31	0	0	0
512	6/19/2020 16:32	0	0	0
513	6/19/2020 16:33	0	0	0
514	6/19/2020 16:34	0	0	0
515	6/19/2020 16:35	0	0	0
516	6/19/2020 16:36	0	0.6	0
517	6/19/2020 16:37	0	0.4	0.1
518	6/19/2020 16:38	0	0.1	0
519	6/19/2020 16:39	0.1	0.5	0.1
520	6/19/2020 16:40	0	0.1	0
521	6/19/2020 16:41	0	0.1	0
522	6/19/2020 16:42	0.1	0.7	0

523	6/19/2020 16:43	0	0.3	0
524	6/19/2020 16:44	0	0	0
525	6/19/2020 16:45	0	0	0
526	6/19/2020 16:46	0	0	0
527	6/19/2020 16:47	0	0	0
528	6/19/2020 16:48	0	0	0
529	6/19/2020 16:49	0	0	0
530	6/19/2020 16:50	0	0	0
531	6/19/2020 16:51	0	0	0
532	6/19/2020 16:52	0	0	0
533	6/19/2020 16:53	0	0	0
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537	6/19/2020 16:57	0	0	0
538	6/19/2020 16:58	0	0	0
539	6/19/2020 16:59	0	0	0
540	6/19/2020 17:00	0	0	0
541	6/19/2020 17:01	0	0	0
542	6/19/2020 17:02	0	0	0
543	6/19/2020 17:03	0	0	0
544	6/19/2020 17:04	0	0	0
545	6/19/2020 17:05	0	0	0
546	6/19/2020 17:06	0	0	0
547	6/19/2020 17:07	0	0	0
548	6/19/2020 17:08	0	0	0
549	6/19/2020 17:09	0	0	0
550	6/19/2020 17:10	0	0	0
551	6/19/2020 17:11	0	0	0
552	6/19/2020 17:12	0	0	0
553	6/19/2020 17:13	0	0	0
554	6/19/2020 17:14	0	0	0
555	6/19/2020 17:15	0	0	0
556	6/19/2020 17:16	0	0	0
557	6/19/2020 17:17	0	0	0
Peak		1.4	13.1	0.6
Min		0	0	0
Average		0	0.1	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	6/19/2020 8:01	0	---
2	6/19/2020 8:02	0	---
3	6/19/2020 8:03	0	---
4	6/19/2020 8:04	0	---

5	6/19/2020 8:05	0 ---	
6	6/19/2020 8:06	0 ---	
7	6/19/2020 8:07	0 ---	
8	6/19/2020 8:08	0 ---	
9	6/19/2020 8:09	0 ---	
10	6/19/2020 8:10	0 ---	
11	6/19/2020 8:11	0 ---	
12	6/19/2020 8:12	0 ---	
13	6/19/2020 8:13	0 ---	
14	6/19/2020 8:14	0 ---	
15	6/19/2020 8:15	0	0
16	6/19/2020 8:16	0	0
17	6/19/2020 8:17	0	0
18	6/19/2020 8:18	0	0
19	6/19/2020 8:19	0	0
20	6/19/2020 8:20	0	0
21	6/19/2020 8:21	0	0
22	6/19/2020 8:22	0	0
23	6/19/2020 8:23	0	0
24	6/19/2020 8:24	0	0
25	6/19/2020 8:25	0	0
26	6/19/2020 8:26	0	0
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38	6/19/2020 8:38	0	0
39	6/19/2020 8:39	0	0
40	6/19/2020 8:40	0	0
41	6/19/2020 8:41	0	0
42	6/19/2020 8:42	0	0
43	6/19/2020 8:43	0	0
44	6/19/2020 8:44	0	0
45	6/19/2020 8:45	0	0
46	6/19/2020 8:46	0	0
47	6/19/2020 8:47	0	0
48	6/19/2020 8:48	0	0
49	6/19/2020 8:49	0	0
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51	6/19/2020 8:51	0	0

52	6/19/2020 8:52	0	0
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56	6/19/2020 8:56	0	0
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59	6/19/2020 8:59	0	0
60	6/19/2020 9:00	0	0
61	6/19/2020 9:01	0	0
62	6/19/2020 9:02	0	0
63	6/19/2020 9:03	0	0
64	6/19/2020 9:04	0	0
65	6/19/2020 9:05	0	0
66	6/19/2020 9:06	0	0
67	6/19/2020 9:07	0	0
68	6/19/2020 9:08	0	0
69	6/19/2020 9:09	0	0
70	6/19/2020 9:10	0	0
71	6/19/2020 9:11	0	0
72	6/19/2020 9:12	0	0
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74	6/19/2020 9:14	0	0
75	6/19/2020 9:15	0	0
76	6/19/2020 9:16	0	0
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78	6/19/2020 9:18	0	0
79	6/19/2020 9:19	0	0
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81	6/19/2020 9:21	0	0
82	6/19/2020 9:22	0	0
83	6/19/2020 9:23	0	0
84	6/19/2020 9:24	0	0
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87	6/19/2020 9:27	0	0
88	6/19/2020 9:28	0	0
89	6/19/2020 9:29	0	0
90	6/19/2020 9:30	0	0
91	6/19/2020 9:31	0	0
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93	6/19/2020 9:33	0	0
94	6/19/2020 9:34	0	0
95	6/19/2020 9:35	0	0
96	6/19/2020 9:36	0	0
97	6/19/2020 9:37	0	0
98	6/19/2020 9:38	0	0

99	6/19/2020 9:39	0	0
100	6/19/2020 9:40	0	0
101	6/19/2020 9:41	0	0
102	6/19/2020 9:42	0	0
103	6/19/2020 9:43	0	0
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106	6/19/2020 9:46	0	0
107	6/19/2020 9:47	0	0
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143	6/19/2020 10:23	0	0
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161	6/19/2020 10:41	0	0
162	6/19/2020 10:42	0	0
163	6/19/2020 10:43	0	0
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187	6/19/2020 11:07	0	0
188	6/19/2020 11:08	0	0
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192	6/19/2020 11:12	0	0

193	6/19/2020 11:13	0	0
194	6/19/2020 11:14	0	0
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207	6/19/2020 11:27	0	0.1
208	6/19/2020 11:28	0	0.1
209	6/19/2020 11:29	0	0.1
210	6/19/2020 11:30	0	0.1
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239	6/19/2020 11:59	0	0

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254	6/19/2020 12:14	0	0
255	6/19/2020 12:15	0	0
256	6/19/2020 12:16	0	0
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258	6/19/2020 12:18	0	0.1
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260	6/19/2020 12:20	0	0.1
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265	6/19/2020 12:25	0	0.2
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272	6/19/2020 12:32	0	0.3
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284	6/19/2020 12:44	0	0.1
285	6/19/2020 12:45	0	0.1
286	6/19/2020 12:46	0	0.1

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345	6/19/2020 13:45	0	0.5
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358	6/19/2020 13:58	0	0.5
359	6/19/2020 13:59	0	0.4
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364	6/19/2020 14:04	0	0.3
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366	6/19/2020 14:06	0	0.2
367	6/19/2020 14:07	0	0.2
368	6/19/2020 14:08	0	0.1
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371	6/19/2020 14:11	0	0.1
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393	6/19/2020 14:33	0	0
394	6/19/2020 14:34	0	0
395	6/19/2020 14:35	0	0
396	6/19/2020 14:36	0	0
397	6/19/2020 14:37	0	0
398	6/19/2020 14:38	0	0
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400	6/19/2020 14:40	0	0
401	6/19/2020 14:41	0	0
402	6/19/2020 14:42	0	0
403	6/19/2020 14:43	0	0
404	6/19/2020 14:44	0	0
405	6/19/2020 14:45	0	0
406	6/19/2020 14:46	0	0
407	6/19/2020 14:47	0	0
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411	6/19/2020 14:51	0	0
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413	6/19/2020 14:53	0	0
414	6/19/2020 14:54	0	0
415	6/19/2020 14:55	0	0
416	6/19/2020 14:56	0	0
417	6/19/2020 14:57	0	0
418	6/19/2020 14:58	0	0
419	6/19/2020 14:59	0	0
420	6/19/2020 15:00	0	0
421	6/19/2020 15:01	0	0
422	6/19/2020 15:02	0	0
423	6/19/2020 15:03	0	0
424	6/19/2020 15:04	0	0
425	6/19/2020 15:05	0	0
426	6/19/2020 15:06	0	0
427	6/19/2020 15:07	0	0

428	6/19/2020 15:08	0	0
429	6/19/2020 15:09	0	0
430	6/19/2020 15:10	0	0
431	6/19/2020 15:11	0	0
432	6/19/2020 15:12	0	0
433	6/19/2020 15:13	0	0
434	6/19/2020 15:14	0	0
435	6/19/2020 15:15	0	0
436	6/19/2020 15:16	0	0
437	6/19/2020 15:17	0	0
438	6/19/2020 15:18	0	0
439	6/19/2020 15:19	0	0
440	6/19/2020 15:20	0	0
441	6/19/2020 15:21	0	0
442	6/19/2020 15:22	0	0
443	6/19/2020 15:23	0	0
444	6/19/2020 15:24	0	0
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446	6/19/2020 15:26	0	0
447	6/19/2020 15:27	0	0
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449	6/19/2020 15:29	0	0
450	6/19/2020 15:30	0	0
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455	6/19/2020 15:35	0	0
456	6/19/2020 15:36	0	0
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460	6/19/2020 15:40	0	0
461	6/19/2020 15:41	0	0
462	6/19/2020 15:42	0	0
463	6/19/2020 15:43	0	0
464	6/19/2020 15:44	0	0
465	6/19/2020 15:45	0	0
466	6/19/2020 15:46	0	0
467	6/19/2020 15:47	0	0
468	6/19/2020 15:48	0	0
469	6/19/2020 15:49	0	0
470	6/19/2020 15:50	0	0
471	6/19/2020 15:51	0	0
472	6/19/2020 15:52	0	0
473	6/19/2020 15:53	0	0
474	6/19/2020 15:54	0	0

475	6/19/2020 15:55	0	0
476	6/19/2020 15:56	0	0
477	6/19/2020 15:57	0	0
478	6/19/2020 15:58	0	0
479	6/19/2020 15:59	0	0
480	6/19/2020 16:00	0	0
481	6/19/2020 16:01	0	0
482	6/19/2020 16:02	0	0
483	6/19/2020 16:03	0	0
484	6/19/2020 16:04	0	0
485	6/19/2020 16:05	0	0
486	6/19/2020 16:06	0	0
487	6/19/2020 16:07	0	0
488	6/19/2020 16:08	0	0
489	6/19/2020 16:09	0	0
490	6/19/2020 16:10	0	0
491	6/19/2020 16:11	0	0
492	6/19/2020 16:12	0	0
493	6/19/2020 16:13	0	0
494	6/19/2020 16:14	0	0
495	6/19/2020 16:15	0	0
496	6/19/2020 16:16	0	0
497	6/19/2020 16:17	0	0
498	6/19/2020 16:18	0	0
499	6/19/2020 16:19	0	0
500	6/19/2020 16:20	0	0
501	6/19/2020 16:21	0	0
502	6/19/2020 16:22	0	0
503	6/19/2020 16:23	0	0
504	6/19/2020 16:24	0	0
505	6/19/2020 16:25	0	0
506	6/19/2020 16:26	0	0
507	6/19/2020 16:27	0	0
508	6/19/2020 16:28	0	0
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511	6/19/2020 16:31	0	0
512	6/19/2020 16:32	0	0
513	6/19/2020 16:33	0	0
514	6/19/2020 16:34	0	0
515	6/19/2020 16:35	0	0
516	6/19/2020 16:36	0	0
517	6/19/2020 16:37	0	0
518	6/19/2020 16:38	0	0
519	6/19/2020 16:39	0	0
520	6/19/2020 16:40	0	0
521	6/19/2020 16:41	0	0

522	6/19/2020 16:42	0	0
523	6/19/2020 16:43	0	0
524	6/19/2020 16:44	0	0
525	6/19/2020 16:45	0	0
526	6/19/2020 16:46	0	0
527	6/19/2020 16:47	0	0
528	6/19/2020 16:48	0	0
529	6/19/2020 16:49	0	0
530	6/19/2020 16:50	0	0
531	6/19/2020 16:51	0	0
532	6/19/2020 16:52	0	0
533	6/19/2020 16:53	0	0
534	6/19/2020 16:54	0	0
535	6/19/2020 16:55	0	0
536	6/19/2020 16:56	0	0
537	6/19/2020 16:57	0	0
538	6/19/2020 16:58	0	0
539	6/19/2020 16:59	0	0
540	6/19/2020 17:00	0	0
541	6/19/2020 17:01	0	0
542	6/19/2020 17:02	0	0
543	6/19/2020 17:03	0	0
544	6/19/2020 17:04	0	0
545	6/19/2020 17:05	0	0
546	6/19/2020 17:06	0	0
547	6/19/2020 17:07	0	0
548	6/19/2020 17:08	0	0
549	6/19/2020 17:09	0	0
550	6/19/2020 17:10	0	0
551	6/19/2020 17:11	0	0
552	6/19/2020 17:12	0	0
553	6/19/2020 17:13	0	0
554	6/19/2020 17:14	0	0
555	6/19/2020 17:15	0	0
556	6/19/2020 17:16	0	0
557	6/19/2020 17:17	0	0

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20/06/22 10:10

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-912334

Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 6/22/2020 10:10

End 6/22/2020 13:54

Sample Period(s) 60

Number of Records 223

Sensor PID(ppm)

Sensor SN S023030350V8

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 1025

TWA Alarm 1010

Measurement Gas Isobutylene

Calibration Time 6/16/2020 14:18

Peak 3.7

Min 0

Average 0.1

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	6/22/2020 10:11		0	0	0
2	6/22/2020 10:12		0	0	0
3	6/22/2020 10:13		0	0	0
4	6/22/2020 10:14		0	0	0
5	6/22/2020 10:15		0	0	0

6	6/22/2020 10:16	0	0	0
7	6/22/2020 10:17	0	0	0
8	6/22/2020 10:18	0	0	0
9	6/22/2020 10:19	0	0	0
10	6/22/2020 10:20	0	0	0
11	6/22/2020 10:21	0	0	0
12	6/22/2020 10:22	0	0.1	0
13	6/22/2020 10:23	0	0.2	0
14	6/22/2020 10:24	0	0	0
15	6/22/2020 10:25	0	0	0
16	6/22/2020 10:26	0	0	0
17	6/22/2020 10:27	0	0	0
18	6/22/2020 10:28	0	0	0
19	6/22/2020 10:29	0	0.1	0
20	6/22/2020 10:30	0	0.2	0
21	6/22/2020 10:31	0	0	0
22	6/22/2020 10:32	0	0	0
23	6/22/2020 10:33	0	0	0
24	6/22/2020 10:34	0	0	0
25	6/22/2020 10:35	0	0	0
26	6/22/2020 10:36	0	0	0
27	6/22/2020 10:37	0	0	0
28	6/22/2020 10:38	0	0	0
29	6/22/2020 10:39	0	0	0
30	6/22/2020 10:40	0	0	0
31	6/22/2020 10:41	0	0	0
32	6/22/2020 10:42	0	0	0
33	6/22/2020 10:43	0	0	0
34	6/22/2020 10:44	0	0	0
35	6/22/2020 10:45	0	0	0
36	6/22/2020 10:46	0	0	0
37	6/22/2020 10:47	0	0	0
38	6/22/2020 10:48	0	0	0
39	6/22/2020 10:49	0	0	0
40	6/22/2020 10:50	0	0	0
41	6/22/2020 10:51	0	0	0
42	6/22/2020 10:52	0	0	0
43	6/22/2020 10:53	0.1	0.2	0.1
44	6/22/2020 10:54	0	0.1	0.1
45	6/22/2020 10:55	0	0.1	0
46	6/22/2020 10:56	0	0	0
47	6/22/2020 10:57	0	0	0
48	6/22/2020 10:58	0	0.1	0
49	6/22/2020 10:59	0	0	0
50	6/22/2020 11:00	0	0	0
51	6/22/2020 11:01	0	0	0
52	6/22/2020 11:02	0	0	0

53	6/22/2020 11:03	0	0	0
54	6/22/2020 11:04	0	0	0
55	6/22/2020 11:05	0	0	0
56	6/22/2020 11:06	0	0.2	0
57	6/22/2020 11:07	0	0	0
58	6/22/2020 11:08	0	0	0
59	6/22/2020 11:09	0.5	1.7	0
60	6/22/2020 11:10	0.4	3.2	0
61	6/22/2020 11:11	0.3	1	0
62	6/22/2020 11:12	0	0.4	0
63	6/22/2020 11:13	0.5	1.4	0.3
64	6/22/2020 11:14	0.3	1.3	0
65	6/22/2020 11:15	0	0	0
66	6/22/2020 11:16	0	0	0
67	6/22/2020 11:17	0	0.4	0.4
68	6/22/2020 11:18	1	5	0
69	6/22/2020 11:19	1	4.9	0.8
70	6/22/2020 11:20	0.5	2.7	0
71	6/22/2020 11:21	0	0	0
72	6/22/2020 11:22	0	0	0
73	6/22/2020 11:23	0	0	0
74	6/22/2020 11:24	0	0	0
75	6/22/2020 11:25	0	0	0
76	6/22/2020 11:26	0	0	0
77	6/22/2020 11:27	0	0	0
78	6/22/2020 11:28	0	0	0
79	6/22/2020 11:29	0	0	0
80	6/22/2020 11:30	0	0	0
81	6/22/2020 11:31	0	0	0
82	6/22/2020 11:32	0	0.3	0.1
83	6/22/2020 11:33	0.4	1.3	0
84	6/22/2020 11:34	0.1	0.4	0
85	6/22/2020 11:35	0	0.1	0
86	6/22/2020 11:36	0	0	0
87	6/22/2020 11:37	0	0	0
88	6/22/2020 11:38	0	0	0
89	6/22/2020 11:39	0	0	0
90	6/22/2020 11:40	0	0	0
91	6/22/2020 11:41	0	0	0
92	6/22/2020 11:42	0	0	0
93	6/22/2020 11:43	0	0	0
94	6/22/2020 11:44	0	0	0
95	6/22/2020 11:45	0	0	0
96	6/22/2020 11:46	0	0	0
97	6/22/2020 11:47	0	0	0
98	6/22/2020 11:48	0.1	0.8	0.1
99	6/22/2020 11:49	0.5	5.7	0.7

100	6/22/2020 11:50	1.3	6.9	0.1
101	6/22/2020 11:51	0.7	2.1	1.2
102	6/22/2020 11:52	2.3	12.7	0
103	6/22/2020 11:53	0	0	0
104	6/22/2020 11:54	0	0	0
105	6/22/2020 11:55	2.6	16.3	0.9
106	6/22/2020 11:56	0.2	1	0
107	6/22/2020 11:57	0	0.1	0
108	6/22/2020 11:58	0	1.3	1.3
109	6/22/2020 11:59	0.2	2.8	0
110	6/22/2020 12:00	0.1	0.8	0
111	6/22/2020 12:01	0	0.1	0
112	6/22/2020 12:02	0	0	0
113	6/22/2020 12:03	0	0.1	0
114	6/22/2020 12:04	0	0	0
115	6/22/2020 12:05	0	0	0
116	6/22/2020 12:06	0.2	2.2	0
117	6/22/2020 12:07	0	0	0
118	6/22/2020 12:08	0	0	0
119	6/22/2020 12:09	0	0.1	0
120	6/22/2020 12:10	0	0.1	0.1
121	6/22/2020 12:11	0	0.3	0
122	6/22/2020 12:12	0	0.2	0
123	6/22/2020 12:13	0	0	0
124	6/22/2020 12:14	0	0	0
125	6/22/2020 12:15	0	0	0
126	6/22/2020 12:16	0	0	0
127	6/22/2020 12:17	0	0	0
128	6/22/2020 12:18	0	0	0
129	6/22/2020 12:19	0	0	0
130	6/22/2020 12:20	0	0	0
131	6/22/2020 12:21	0	0	0
132	6/22/2020 12:22	0	0	0
133	6/22/2020 12:23	0	0	0
134	6/22/2020 12:24	0	0	0
135	6/22/2020 12:25	0.1	1.1	1.1
136	6/22/2020 12:26	0	0.9	0
137	6/22/2020 12:27	0	0.1	0
138	6/22/2020 12:28	0	0	0
139	6/22/2020 12:29	0	0	0
140	6/22/2020 12:30	0	0	0
141	6/22/2020 12:31	0	0	0
142	6/22/2020 12:32	0	0	0
143	6/22/2020 12:33	0	0	0
144	6/22/2020 12:34	0	0	0
145	6/22/2020 12:35	0	0	0
146	6/22/2020 12:36	0	0	0

147	6/22/2020 12:37	0	0	0
148	6/22/2020 12:38	0	0	0
149	6/22/2020 12:39	0	0	0
150	6/22/2020 12:40	0	0	0
151	6/22/2020 12:41	0	0	0
152	6/22/2020 12:42	0	0	0
153	6/22/2020 12:43	0	0	0
154	6/22/2020 12:44	0	0	0
155	6/22/2020 12:45	0	0	0
156	6/22/2020 12:46	0	0	0
157	6/22/2020 12:47	0	0	0
158	6/22/2020 12:48	0	0	0
159	6/22/2020 12:49	0	0	0
160	6/22/2020 12:50	0	0	0
161	6/22/2020 12:51	0	0	0
162	6/22/2020 12:52	0	0	0
163	6/22/2020 12:53	0	0	0
164	6/22/2020 12:54	0	0	0
165	6/22/2020 12:55	0	0	0
166	6/22/2020 12:56	0	0	0
167	6/22/2020 12:57	0	0	0
168	6/22/2020 12:58	0	0	0
169	6/22/2020 12:59	0	0	0
170	6/22/2020 13:00	0	0	0
171	6/22/2020 13:01	0	0	0
172	6/22/2020 13:02	0	0	0
173	6/22/2020 13:03	0	0	0
174	6/22/2020 13:04	0.2	1.7	0
175	6/22/2020 13:05	0.5	4.1	3.7
176	6/22/2020 13:06	0.3	1.9	0
177	6/22/2020 13:07	0	0.1	0
178	6/22/2020 13:08	0.1	1.3	0
179	6/22/2020 13:09	0	0	0
180	6/22/2020 13:10	0	0	0
181	6/22/2020 13:11	0.4	1.6	0
182	6/22/2020 13:12	0.1	0.5	0.5
183	6/22/2020 13:13	0.2	1	0
184	6/22/2020 13:14	0.2	1.2	0
185	6/22/2020 13:15	0.7	5.9	1.2
186	6/22/2020 13:16	0.4	2.8	0
187	6/22/2020 13:17	0.3	2.6	0
188	6/22/2020 13:18	0	0	0
189	6/22/2020 13:19	0	0	0
190	6/22/2020 13:20	0	0	0
191	6/22/2020 13:21	0	0	0
192	6/22/2020 13:22	0	0	0
193	6/22/2020 13:23	0.2	1.1	0

194	6/22/2020 13:24	0	0	0
195	6/22/2020 13:25	0.2	1	0
196	6/22/2020 13:26	0	0	0
197	6/22/2020 13:27	0	0	0
198	6/22/2020 13:28	0	0	0
199	6/22/2020 13:29	0	0	0
200	6/22/2020 13:30	0	0	0
201	6/22/2020 13:31	0	0	0
202	6/22/2020 13:32	0	0	0
203	6/22/2020 13:33	0	0	0
204	6/22/2020 13:34	0	0	0
205	6/22/2020 13:35	0	0	0
206	6/22/2020 13:36	0	0	0
207	6/22/2020 13:37	0	0	0
208	6/22/2020 13:38	0	0	0
209	6/22/2020 13:39	0	0	0
210	6/22/2020 13:40	0	0	0
211	6/22/2020 13:41	0	0	0
212	6/22/2020 13:42	0	0	0
213	6/22/2020 13:43	0	0	0
214	6/22/2020 13:44	0	0	0
215	6/22/2020 13:45	0	0	0
216	6/22/2020 13:46	0	0	0
217	6/22/2020 13:47	0	0	0
218	6/22/2020 13:48	0	0	0
219	6/22/2020 13:49	0	0	0
220	6/22/2020 13:50	0	0	0
221	6/22/2020 13:51	0	0	0
222	6/22/2020 13:52	0	0	0
223	6/22/2020 13:53	0	0	0
Peak		2.6	16.3	3.7
Min		0	0	0
Average		0.1	0.5	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	6/22/2020 10:11		0 ---
2	6/22/2020 10:12		0 ---
3	6/22/2020 10:13		0 ---
4	6/22/2020 10:14		0 ---
5	6/22/2020 10:15		0 ---
6	6/22/2020 10:16		0 ---
7	6/22/2020 10:17		0 ---
8	6/22/2020 10:18		0 ---
9	6/22/2020 10:19		0 ---

10	6/22/2020 10:20	0 ---	
11	6/22/2020 10:21	0 ---	
12	6/22/2020 10:22	0 ---	
13	6/22/2020 10:23	0 ---	
14	6/22/2020 10:24	0 ---	
15	6/22/2020 10:25	0	0
16	6/22/2020 10:26	0	0
17	6/22/2020 10:27	0	0
18	6/22/2020 10:28	0	0
19	6/22/2020 10:29	0	0
20	6/22/2020 10:30	0	0
21	6/22/2020 10:31	0	0
22	6/22/2020 10:32	0	0
23	6/22/2020 10:33	0	0
24	6/22/2020 10:34	0	0
25	6/22/2020 10:35	0	0
26	6/22/2020 10:36	0	0
27	6/22/2020 10:37	0	0
28	6/22/2020 10:38	0	0
29	6/22/2020 10:39	0	0
30	6/22/2020 10:40	0	0
31	6/22/2020 10:41	0	0
32	6/22/2020 10:42	0	0
33	6/22/2020 10:43	0	0
34	6/22/2020 10:44	0	0
35	6/22/2020 10:45	0	0
36	6/22/2020 10:46	0	0
37	6/22/2020 10:47	0	0
38	6/22/2020 10:48	0	0
39	6/22/2020 10:49	0	0
40	6/22/2020 10:50	0	0
41	6/22/2020 10:51	0	0
42	6/22/2020 10:52	0	0
43	6/22/2020 10:53	0	0
44	6/22/2020 10:54	0	0
45	6/22/2020 10:55	0	0
46	6/22/2020 10:56	0	0
47	6/22/2020 10:57	0	0
48	6/22/2020 10:58	0	0
49	6/22/2020 10:59	0	0
50	6/22/2020 11:00	0	0
51	6/22/2020 11:01	0	0
52	6/22/2020 11:02	0	0
53	6/22/2020 11:03	0	0
54	6/22/2020 11:04	0	0
55	6/22/2020 11:05	0	0
56	6/22/2020 11:06	0	0

57	6/22/2020 11:07	0	0
58	6/22/2020 11:08	0	0
59	6/22/2020 11:09	0	0
60	6/22/2020 11:10	0	0
61	6/22/2020 11:11	0	0
62	6/22/2020 11:12	0	0
63	6/22/2020 11:13	0	0
64	6/22/2020 11:14	0	0
65	6/22/2020 11:15	0	0
66	6/22/2020 11:16	0	0
67	6/22/2020 11:17	0	0
68	6/22/2020 11:18	0	0
69	6/22/2020 11:19	0	0.1
70	6/22/2020 11:20	0	0.1
71	6/22/2020 11:21	0	0.1
72	6/22/2020 11:22	0	0.1
73	6/22/2020 11:23	0	0.1
74	6/22/2020 11:24	0	0.1
75	6/22/2020 11:25	0	0.1
76	6/22/2020 11:26	0	0.1
77	6/22/2020 11:27	0	0.1
78	6/22/2020 11:28	0	0.1
79	6/22/2020 11:29	0	0.1
80	6/22/2020 11:30	0	0.1
81	6/22/2020 11:31	0	0.1
82	6/22/2020 11:32	0	0.1
83	6/22/2020 11:33	0	0.1
84	6/22/2020 11:34	0	0.1
85	6/22/2020 11:35	0	0
86	6/22/2020 11:36	0	0
87	6/22/2020 11:37	0	0
88	6/22/2020 11:38	0	0
89	6/22/2020 11:39	0	0
90	6/22/2020 11:40	0	0
91	6/22/2020 11:41	0	0
92	6/22/2020 11:42	0	0
93	6/22/2020 11:43	0	0
94	6/22/2020 11:44	0	0
95	6/22/2020 11:45	0	0
96	6/22/2020 11:46	0	0
97	6/22/2020 11:47	0	0
98	6/22/2020 11:48	0	0
99	6/22/2020 11:49	0	0.1
100	6/22/2020 11:50	0	0.1
101	6/22/2020 11:51	0	0.1
102	6/22/2020 11:52	0	0.1
103	6/22/2020 11:53	0	0.1

104	6/22/2020 11:54	0	0.1
105	6/22/2020 11:55	0	0.2
106	6/22/2020 11:56	0	0.2
107	6/22/2020 11:57	0	0.2
108	6/22/2020 11:58	0	0.3
109	6/22/2020 11:59	0	0.3
110	6/22/2020 12:00	0	0.3
111	6/22/2020 12:01	0	0.3
112	6/22/2020 12:02	0	0.3
113	6/22/2020 12:03	0	0.3
114	6/22/2020 12:04	0	0.3
115	6/22/2020 12:05	0	0.2
116	6/22/2020 12:06	0	0.2
117	6/22/2020 12:07	0	0.1
118	6/22/2020 12:08	0	0.1
119	6/22/2020 12:09	0	0.1
120	6/22/2020 12:10	0	0.2
121	6/22/2020 12:11	0	0.1
122	6/22/2020 12:12	0	0.1
123	6/22/2020 12:13	0	0.1
124	6/22/2020 12:14	0	0
125	6/22/2020 12:15	0	0
126	6/22/2020 12:16	0	0
127	6/22/2020 12:17	0	0
128	6/22/2020 12:18	0	0
129	6/22/2020 12:19	0	0
130	6/22/2020 12:20	0	0
131	6/22/2020 12:21	0	0
132	6/22/2020 12:22	0	0
133	6/22/2020 12:23	0	0
134	6/22/2020 12:24	0	0
135	6/22/2020 12:25	0	0.1
136	6/22/2020 12:26	0	0.1
137	6/22/2020 12:27	0	0.1
138	6/22/2020 12:28	0	0.1
139	6/22/2020 12:29	0	0.1
140	6/22/2020 12:30	0	0.1
141	6/22/2020 12:31	0	0.1
142	6/22/2020 12:32	0	0.1
143	6/22/2020 12:33	0	0.1
144	6/22/2020 12:34	0	0.1
145	6/22/2020 12:35	0	0.1
146	6/22/2020 12:36	0	0.1
147	6/22/2020 12:37	0	0.1
148	6/22/2020 12:38	0	0.1
149	6/22/2020 12:39	0	0.1
150	6/22/2020 12:40	0	0.1

151	6/22/2020 12:41	0	0
152	6/22/2020 12:42	0	0
153	6/22/2020 12:43	0	0
154	6/22/2020 12:44	0	0
155	6/22/2020 12:45	0	0
156	6/22/2020 12:46	0	0
157	6/22/2020 12:47	0	0
158	6/22/2020 12:48	0	0
159	6/22/2020 12:49	0	0
160	6/22/2020 12:50	0	0
161	6/22/2020 12:51	0	0
162	6/22/2020 12:52	0	0
163	6/22/2020 12:53	0	0
164	6/22/2020 12:54	0	0
165	6/22/2020 12:55	0	0
166	6/22/2020 12:56	0	0
167	6/22/2020 12:57	0	0
168	6/22/2020 12:58	0	0
169	6/22/2020 12:59	0	0
170	6/22/2020 13:00	0	0
171	6/22/2020 13:01	0	0
172	6/22/2020 13:02	0	0
173	6/22/2020 13:03	0	0
174	6/22/2020 13:04	0	0
175	6/22/2020 13:05	0	0.2
176	6/22/2020 13:06	0	0.2
177	6/22/2020 13:07	0	0.2
178	6/22/2020 13:08	0	0.2
179	6/22/2020 13:09	0	0.2
180	6/22/2020 13:10	0	0.2
181	6/22/2020 13:11	0	0.2
182	6/22/2020 13:12	0	0.3
183	6/22/2020 13:13	0	0.3
184	6/22/2020 13:14	0	0.3
185	6/22/2020 13:15	0	0.4
186	6/22/2020 13:16	0	0.4
187	6/22/2020 13:17	0	0.4
188	6/22/2020 13:18	0	0.4
189	6/22/2020 13:19	0	0.4
190	6/22/2020 13:20	0	0.4
191	6/22/2020 13:21	0	0.1
192	6/22/2020 13:22	0	0.1
193	6/22/2020 13:23	0	0.1
194	6/22/2020 13:24	0	0.1
195	6/22/2020 13:25	0	0.1
196	6/22/2020 13:26	0	0.1
197	6/22/2020 13:27	0	0.1

198	6/22/2020 13:28	0	0.1
199	6/22/2020 13:29	0	0.1
200	6/22/2020 13:30	0	0.1
201	6/22/2020 13:31	0	0
202	6/22/2020 13:32	0	0
203	6/22/2020 13:33	0	0
204	6/22/2020 13:34	0	0
205	6/22/2020 13:35	0	0
206	6/22/2020 13:36	0	0
207	6/22/2020 13:37	0	0
208	6/22/2020 13:38	0	0
209	6/22/2020 13:39	0	0
210	6/22/2020 13:40	0	0
211	6/22/2020 13:41	0	0
212	6/22/2020 13:42	0	0
213	6/22/2020 13:43	0	0
214	6/22/2020 13:44	0	0
215	6/22/2020 13:45	0	0
216	6/22/2020 13:46	0	0
217	6/22/2020 13:47	0	0
218	6/22/2020 13:48	0	0
219	6/22/2020 13:49	0	0
220	6/22/2020 13:50	0	0
221	6/22/2020 13:51	0	0
222	6/22/2020 13:52	0	0
223	6/22/2020 13:53	0	0

=====
20/09/09 11:22

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-909558
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/9/2020 11:22:17
End 9/9/2020 11:22:25
Sample Period(s) 60
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030330Q1
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 11:17

Datalog

0 record.

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20/09/10 06:56

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-909558
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode

Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/10/2020 06:56:02
End 9/10/2020 13:39:01
Sample Period(s) 60
Number of Records 402

Sensor PID(ppm)
Sensor SN S023030330Q1
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 11:17
Peak 1768843.6
Min 0.0
Average 118713.9

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	PID(ppm)
001	9/10/2020 06:57:02	0.0	0.0	0.0	0.0
002	9/10/2020 06:58:02	0.0	0.0	0.0	0.0
003	9/10/2020 06:59:02	0.0	0.0	0.0	0.0
004	9/10/2020 07:00:02	0.0	0.0	0.0	0.0
005	9/10/2020 07:01:02	0.0	0.0	0.0	0.0
006	9/10/2020 07:02:02	0.0	0.0	0.0	0.0
007	9/10/2020 07:03:02	0.0	0.0	0.0	0.0
008	9/10/2020 07:04:02	0.0	0.0	0.0	0.0
009	9/10/2020 07:05:02	0.0	0.0	0.0	0.0
010	9/10/2020 07:06:02	0.0	0.0	0.0	0.0
011	9/10/2020 07:07:02	0.0	0.0	0.0	0.0
012	9/10/2020 07:08:02	0.0	0.0	0.0	0.0
013	9/10/2020 07:09:02	0.0	0.0	0.0	0.0
014	9/10/2020 07:10:02	0.0	0.0	0.0	0.0
015	9/10/2020 07:11:02	0.0	0.0	0.0	0.0
016	9/10/2020 07:12:02	0.0	0.0	0.0	0.0
017	9/10/2020 07:13:02	0.0	0.4	0.0	0.0
018	9/10/2020 07:14:02	0.0	0.0	0.0	0.0

019	9/10/2020 07:15:02	0.0	0.0	0.0
020	9/10/2020 07:16:02	0.0	0.0	0.0
021	9/10/2020 07:17:02	0.0	0.0	0.0
022	9/10/2020 07:18:02	0.0	0.0	0.0
023	9/10/2020 07:19:02	0.0	0.0	0.0
024	9/10/2020 07:20:02	0.0	0.0	0.0
025	9/10/2020 07:21:02	0.0	0.0	0.0
026	9/10/2020 07:22:02	0.0	0.0	0.0
027	9/10/2020 07:23:02	0.0	0.0	0.0
028	9/10/2020 07:24:02	0.0	0.0	0.0
029	9/10/2020 07:25:02	0.0	0.0	0.0
030	9/10/2020 07:26:02	0.0	0.0	0.0
031	9/10/2020 07:27:02	0.0	0.0	0.0
032	9/10/2020 07:28:02	0.0	0.0	0.0
033	9/10/2020 07:29:02	0.0	0.0	0.0
034	9/10/2020 07:30:02	0.0	0.0	0.0
035	9/10/2020 07:31:02	0.0	0.0	0.0
036	9/10/2020 07:32:02	0.0	0.0	0.0
037	9/10/2020 07:33:02	0.0	0.0	0.0
038	9/10/2020 07:34:02	0.0	0.0	0.0
039	9/10/2020 07:35:02	0.0	0.0	0.0
040	9/10/2020 07:36:02	0.0	0.0	0.0
041	9/10/2020 07:37:02	0.0	0.0	0.0
042	9/10/2020 07:38:02	0.0	0.0	0.0
043	9/10/2020 07:39:02	0.0	0.0	0.0
044	9/10/2020 07:40:02	0.0	0.0	0.0
045	9/10/2020 07:41:02	0.0	0.0	0.0
046	9/10/2020 07:42:02	0.0	0.0	0.0
047	9/10/2020 07:43:02	0.0	0.0	0.0
048	9/10/2020 07:44:02	0.0	0.0	0.0
049	9/10/2020 07:45:02	0.0	0.0	0.0
050	9/10/2020 07:46:02	0.0	0.0	0.0
051	9/10/2020 07:47:02	0.0	0.0	0.0
052	9/10/2020 07:48:02	0.0	0.0	0.0
053	9/10/2020 07:49:02	0.0	0.0	0.0
054	9/10/2020 07:50:02	0.0	0.0	0.0
055	9/10/2020 07:51:02	0.0	0.0	0.0
056	9/10/2020 07:52:02	0.0	0.0	0.0
057	9/10/2020 07:53:02	0.0	0.0	0.0
058	9/10/2020 07:54:02	0.0	0.0	0.0
059	9/10/2020 07:55:02	0.0	0.0	0.0
060	9/10/2020 07:56:02	0.0	0.0	0.0
061	9/10/2020 07:57:02	0.0	0.0	0.0
062	9/10/2020 07:58:02	0.0	0.0	0.0
063	9/10/2020 07:59:02	0.0	0.0	0.0
064	9/10/2020 08:00:02	0.0	0.0	0.0
065	9/10/2020 08:01:02	0.0	0.0	0.0
066	9/10/2020 08:02:02	0.0	0.0	0.0
067	9/10/2020 08:03:02	0.0	0.0	0.0
068	9/10/2020 08:04:02	0.0	0.0	0.0

069	9/10/2020 08:05:02	0.0	0.0	0.0	
070	9/10/2020 08:06:02	0.0	0.0	0.0	
071	9/10/2020 08:07:02	0.0	0.0	0.0	
072	9/10/2020 08:08:02	0.0	0.0	0.0	
073	9/10/2020 08:09:02	0.0	0.0	0.0	
074	9/10/2020 08:10:02	0.0	0.0	0.0	
075	9/10/2020 08:11:02	0.0	0.0	0.0	
076	9/10/2020 08:12:02	0.0	0.0	0.0	
077	9/10/2020 08:13:02	0.0	0.0	0.0	
078	9/10/2020 08:14:02	0.0	0.0	0.0	
079	9/10/2020 08:15:02	0.0	0.0	0.0	
080	9/10/2020 08:16:02	0.0	0.0	0.0	
081	9/10/2020 08:17:02	0.0	0.0	0.0	
082	9/10/2020 08:18:02	0.0	0.0	0.0	
083	9/10/2020 08:19:02	0.0	0.0	0.0	
084	9/10/2020 08:20:02	0.0	0.0	0.0	
085	9/10/2020 08:21:02	0.0	0.0	0.0	
086	9/10/2020 08:22:02	0.0	0.0	0.0	
087	9/10/2020 08:23:02	0.0	0.0	0.0	
088	9/10/2020 08:24:02	0.0	0.0	0.0	
089	9/10/2020 08:25:02	0.0	0.0	0.0	
090	9/10/2020 08:26:02	0.0	0.0	0.0	
091	9/10/2020 08:27:02	0.0	0.0	0.0	
092	9/10/2020 08:28:02	0.0	0.0	0.0	
093	9/10/2020 08:29:02	0.0	0.0	0.0	
094	9/10/2020 08:30:02	0.0	0.0	0.0	
095	9/10/2020 08:31:02	0.0	0.0	0.0	
096	9/10/2020 08:32:02	0.0	0.0	0.0	
097	9/10/2020 08:33:02	0.0	0.0	0.0	
098	9/10/2020 08:34:02	0.0	0.0	0.0	
099	9/10/2020 08:35:02	0.0	0.0	0.0	
100	9/10/2020 08:36:02	0.0	0.0	0.0	
101	9/10/2020 08:37:02	0.0	0.0	0.0	
102	9/10/2020 08:38:02	0.0	0.0	0.0	
103	9/10/2020 08:39:02	0.0	0.0	0.0	
104	9/10/2020 08:40:02	0.0	0.0	0.0	
105	9/10/2020 08:41:02	0.0	0.0	1768843.6	
106	9/10/2020 08:42:02	541409.6		808464.4	0.0
107	9/10/2020 08:43:02	0.0	0.0	0.0	
108	9/10/2020 08:44:02	0.0	4265.0	202834.7	
109	9/10/2020 08:45:02	11.8	858796.9		808661.8
110	9/10/2020 08:46:02	12.6	0.0	0.0	
111	9/10/2020 08:47:02	0.0	0.0	0.0	
112	9/10/2020 08:48:02	0.0	0.0	0.0	
113	9/10/2020 08:49:02	0.0	0.0	0.0	
114	9/10/2020 08:50:02	0.0	0.0	0.0	
115	9/10/2020 08:51:02	327.7	0.0	0.0	
116	9/10/2020 08:52:02	0.0	1768843.6		541409.6
117	9/10/2020 08:53:02	808464.4		0.0	0.0
118	9/10/2020 08:54:02	0.0	0.0	0.0	

119	9/10/2020 08:55:02	4265.0	202834.7	11.8	
120	9/10/2020 08:56:02	858796.9	808661.8	12.6	
121	9/10/2020 08:57:02	0.0	0.0	0.0	
122	9/10/2020 08:58:02	0.0	0.0	0.0	
123	9/10/2020 08:59:02	0.0	0.0	0.0	
124	9/10/2020 09:00:02	0.0	0.0	0.0	
125	9/10/2020 09:01:02	0.0	0.0	327.7	
126	9/10/2020 09:02:02	0.0	0.0	0.0	
127	9/10/2020 09:03:02	1768843.6	541409.6	808464.4	
128	9/10/2020 09:04:02	0.0	0.0	0.0	
129	9/10/2020 09:05:02	0.0	0.0	4265.0	
130	9/10/2020 09:06:02	202834.7	11.8	858796.9	
131	9/10/2020 09:07:02	808661.8	12.6	0.0	
132	9/10/2020 09:08:02	0.0	0.0	0.0	
133	9/10/2020 09:09:02	0.0	0.0	0.0	
134	9/10/2020 09:10:02	0.0	0.0	0.0	
135	9/10/2020 09:11:02	0.0	0.0	0.0	
136	9/10/2020 09:12:02	0.0	327.7	0.0	
137	9/10/2020 09:13:02	0.0	0.0	1768843.6	
138	9/10/2020 09:14:02	541409.6	808464.4	0.0	
139	9/10/2020 09:15:02	0.0	0.0	0.0	
140	9/10/2020 09:16:02	0.0	4265.0	202834.7	
141	9/10/2020 09:17:02	11.8	858796.9	808661.8	
142	9/10/2020 09:18:02	12.6	0.0	0.0	
143	9/10/2020 09:19:02	0.0	0.0	0.0	
144	9/10/2020 09:20:02	0.0	0.0	0.0	
145	9/10/2020 09:21:02	0.0	0.0	0.0	
146	9/10/2020 09:22:02	0.0	0.0	0.0	
147	9/10/2020 09:23:02	327.7	0.0	0.0	
148	9/10/2020 09:24:02	0.0	1768843.6	541409.6	
149	9/10/2020 09:25:02	808464.4	0.0	0.0	
150	9/10/2020 09:26:02	0.0	0.0	0.0	
151	9/10/2020 09:27:02	4265.0	202834.7	11.8	
152	9/10/2020 09:28:02	858796.9	808661.8	12.6	
153	9/10/2020 09:29:02	0.0	0.0	0.0	
154	9/10/2020 09:30:02	0.0	0.0	0.0	
155	9/10/2020 09:31:02	0.0	0.0	0.0	
156	9/10/2020 09:32:02	0.0	0.0	0.0	
157	9/10/2020 09:33:02	0.0	0.0	327.7	
158	9/10/2020 09:34:02	0.0	0.0	0.0	
159	9/10/2020 09:35:02	1768843.6	541409.6	808464.4	
160	9/10/2020 09:36:02	0.0	0.0	0.0	
161	9/10/2020 09:37:02	0.0	0.0	4265.0	
162	9/10/2020 09:38:02	202834.7	11.8	858796.9	
163	9/10/2020 09:39:02	808661.8	12.6	0.0	
164	9/10/2020 09:40:02	0.0	0.0	0.0	
165	9/10/2020 09:41:02	0.0	0.0	0.0	
166	9/10/2020 09:42:02	0.0	0.0	0.0	
167	9/10/2020 09:43:02	0.0	0.0	0.0	
168	9/10/2020 09:44:02	0.0	327.7	0.0	

169	9/10/2020 09:45:02	0.0	0.0	1768843.6		
170	9/10/2020 09:46:02	541409.6		808464.4		0.0
171	9/10/2020 09:47:02	0.0	0.0	0.0		
172	9/10/2020 09:48:02	0.0	4265.0	202834.7		
173	9/10/2020 09:49:02	11.8	858796.9		808661.8	
174	9/10/2020 09:50:02	12.6	0.0	0.0		
175	9/10/2020 09:51:02	0.0	0.0	0.0		
176	9/10/2020 09:52:02	0.0	0.0	0.0		
177	9/10/2020 09:53:02	0.0	0.0	0.0		
178	9/10/2020 09:54:02	0.0	0.0	0.0		
179	9/10/2020 09:55:02	327.7	0.0	0.0		
180	9/10/2020 09:56:02	0.0	1768843.6		541409.6	
181	9/10/2020 09:57:02	808464.4		0.0	0.0	
182	9/10/2020 09:58:02	0.0	0.0	0.0		
183	9/10/2020 09:59:02	4265.0	202834.7		11.8	
184	9/10/2020 10:00:02	858796.9		808661.8		12.6
185	9/10/2020 10:01:02	0.0	0.0	0.0		
186	9/10/2020 10:02:02	0.0	0.0	0.0		
187	9/10/2020 10:03:02	0.0	0.0	0.0		
188	9/10/2020 10:04:02	0.0	0.0	0.0		
189	9/10/2020 10:05:02	0.0	0.0	327.7		
190	9/10/2020 10:06:02	0.0	0.0	0.0		
191	9/10/2020 10:07:02	1768843.6		541409.6		808464.4
192	9/10/2020 10:08:02	0.0	0.0	0.0		
193	9/10/2020 10:09:02	0.0	0.0	4265.0		
194	9/10/2020 10:10:02	202834.7		11.8	858796.9	
195	9/10/2020 10:11:02	808661.8		12.6	0.0	
196	9/10/2020 10:12:02	0.0	0.0	0.0		
197	9/10/2020 10:13:02	0.0	0.0	0.0		
198	9/10/2020 10:14:02	0.0	0.0	0.0		
199	9/10/2020 10:15:02	0.0	0.0	0.0		
200	9/10/2020 10:16:02	0.0	327.7	0.0		
201	9/10/2020 10:17:02	0.0	0.0	1768843.6		
202	9/10/2020 10:18:02	541409.6		808464.4		0.0
203	9/10/2020 10:19:02	0.0	0.0	0.0		
204	9/10/2020 10:20:02	0.0	4265.0	202834.7		
205	9/10/2020 10:21:02	11.8	858796.9		808661.8	
206	9/10/2020 10:22:02	12.6	0.0	0.0		
207	9/10/2020 10:23:02	0.0	0.0	0.0		
208	9/10/2020 10:24:02	0.0	0.0	0.0		
209	9/10/2020 10:25:02	0.0	0.0	0.0		
210	9/10/2020 10:26:02	0.0	0.0	0.0		
211	9/10/2020 10:27:02	327.7	0.0	0.0		
212	9/10/2020 10:28:02	0.0	1768843.6		541409.6	
213	9/10/2020 10:29:02	808464.4		0.0	0.0	
214	9/10/2020 10:30:02	0.0	0.0	0.0		
215	9/10/2020 10:31:02	4265.0	202834.7		11.8	
216	9/10/2020 10:32:02	858796.9		808661.8		12.6
217	9/10/2020 10:33:02	0.0	0.0	0.0		
218	9/10/2020 10:34:02	0.0	0.0	0.0		

219	9/10/2020 10:35:02	0.0	0.0	0.0	
220	9/10/2020 10:36:02	0.0	0.0	0.0	
221	9/10/2020 10:37:02	0.0	0.0	327.7	
222	9/10/2020 10:38:02	0.0	0.0	0.0	
223	9/10/2020 10:39:02	1768843.6		541409.6	808464.4
224	9/10/2020 10:40:02	0.0	0.0	0.0	
225	9/10/2020 10:41:02	0.0	0.0	4265.0	
226	9/10/2020 10:42:02	202834.7		11.8	858796.9
227	9/10/2020 10:43:02	808661.8		12.6	0.0
228	9/10/2020 10:44:02	0.0	0.0	0.0	
229	9/10/2020 10:45:02	0.0	0.0	0.0	
230	9/10/2020 10:46:02	0.0	0.0	0.0	
231	9/10/2020 10:47:02	0.0	0.0	0.0	
232	9/10/2020 10:48:02	0.0	327.7	0.0	
233	9/10/2020 10:49:02	0.0	0.0	1768843.6	
234	9/10/2020 10:50:02	541409.6		808464.4	0.0
235	9/10/2020 10:51:02	0.0	0.0	0.0	
236	9/10/2020 10:52:02	0.0	4265.0	202834.7	
237	9/10/2020 10:53:02	11.8	858796.9		808661.8
238	9/10/2020 10:54:02	12.6	0.0	0.0	
239	9/10/2020 10:55:02	0.0	0.0	0.0	
240	9/10/2020 10:56:02	0.0	0.0	0.0	
241	9/10/2020 10:57:02	0.0	0.0	0.0	
242	9/10/2020 10:58:02	0.0	0.0	0.0	
243	9/10/2020 10:59:02	327.7	0.0	0.0	
244	9/10/2020 11:00:02	0.0	1768843.6		541409.6
245	9/10/2020 11:01:02	808464.4		0.0	0.0
246	9/10/2020 11:02:02	0.0	0.0	0.0	
247	9/10/2020 11:03:02	4265.0	202834.7		11.8
248	9/10/2020 11:04:02	858796.9		808661.8	12.6
249	9/10/2020 11:05:02	0.0	0.0	0.0	
250	9/10/2020 11:06:02	0.0	0.0	0.0	
251	9/10/2020 11:07:02	0.0	0.0	0.0	
252	9/10/2020 11:08:02	0.0	0.0	0.0	
253	9/10/2020 11:09:02	0.0	0.0	327.7	
254	9/10/2020 11:10:02	0.0	0.0	0.0	
255	9/10/2020 11:11:02	1768843.6		541409.6	808464.4
256	9/10/2020 11:12:02	0.0	0.0	0.0	
257	9/10/2020 11:13:02	0.0	0.0	4265.0	
258	9/10/2020 11:14:02	202834.7		11.8	858796.9
259	9/10/2020 11:15:02	808661.8		12.6	0.0
260	9/10/2020 11:16:02	0.0	0.0	0.0	
261	9/10/2020 11:17:02	0.0	0.0	0.0	
262	9/10/2020 11:18:02	0.0	0.0	0.0	
263	9/10/2020 11:19:02	0.0	0.0	0.0	
264	9/10/2020 11:20:02	0.0	327.7	0.0	
265	9/10/2020 11:21:02	0.0	0.0	1768843.6	
266	9/10/2020 11:22:02	541409.6		808464.4	0.0
267	9/10/2020 11:23:02	0.0	0.0	0.0	
268	9/10/2020 11:24:02	0.0	4265.0	202834.7	

269	9/10/2020 11:25:02	11.8	858796.9	808661.8
270	9/10/2020 11:26:02	12.6	0.0	0.0
271	9/10/2020 11:27:02	0.0	0.0	0.0
272	9/10/2020 11:28:02	0.0	0.0	0.0
273	9/10/2020 11:29:02	0.0	0.0	0.0
274	9/10/2020 11:30:02	0.0	0.0	0.0
275	9/10/2020 11:31:02	327.7	0.0	0.0
276	9/10/2020 11:32:02	0.0	1768843.6	541409.6
277	9/10/2020 11:33:02	808464.4	0.0	0.0
278	9/10/2020 11:34:02	0.0	0.0	0.0
279	9/10/2020 11:35:02	4265.0	202834.7	11.8
280	9/10/2020 11:36:02	858796.9	808661.8	12.6
281	9/10/2020 11:37:02	0.0	0.0	0.0
282	9/10/2020 11:38:02	0.0	0.0	0.0
283	9/10/2020 11:39:02	0.0	0.0	0.0
284	9/10/2020 11:40:02	0.0	0.0	0.0
285	9/10/2020 11:41:02	0.0	0.0	327.7
286	9/10/2020 11:42:02	0.0	0.0	0.0
287	9/10/2020 11:43:02	1768843.6	541409.6	808464.4
288	9/10/2020 11:44:02	0.0	0.0	0.0
289	9/10/2020 11:45:02	0.0	0.0	4265.0
290	9/10/2020 11:46:02	202834.7	11.8	858796.9
291	9/10/2020 11:47:02	808661.8	12.6	0.0
292	9/10/2020 11:48:02	0.0	0.0	0.0
293	9/10/2020 11:49:02	0.0	0.0	0.0
294	9/10/2020 11:50:02	0.0	0.0	0.0
295	9/10/2020 11:51:02	0.0	0.0	0.0
296	9/10/2020 11:52:02	0.0	327.7	0.0
297	9/10/2020 11:53:02	0.0	0.0	1768843.6
298	9/10/2020 11:54:02	541409.6	808464.4	0.0
299	9/10/2020 11:55:02	0.0	0.0	0.0
300	9/10/2020 11:56:02	0.0	4265.0	202834.7
301	9/10/2020 11:57:02	11.8	858796.9	808661.8
302	9/10/2020 11:58:02	12.6	0.0	0.0
303	9/10/2020 11:59:02	0.0	0.0	0.0
304	9/10/2020 12:00:02	0.0	0.0	0.0
305	9/10/2020 12:01:02	0.0	0.0	0.0
306	9/10/2020 12:02:02	0.0	0.0	0.0
307	9/10/2020 12:03:02	327.7	0.0	0.0
308	9/10/2020 12:04:02	0.0	1768843.6	541409.6
309	9/10/2020 12:05:02	808464.4	0.0	0.0
310	9/10/2020 12:06:02	0.0	0.0	0.0
311	9/10/2020 12:07:02	4265.0	202834.7	11.8
312	9/10/2020 12:08:02	858796.9	808661.8	12.6
313	9/10/2020 12:09:02	0.0	0.0	0.0
314	9/10/2020 12:10:02	0.0	0.0	0.0
315	9/10/2020 12:11:02	0.0	0.0	0.0
316	9/10/2020 12:12:02	0.0	0.0	0.0
317	9/10/2020 12:13:02	0.0	0.0	327.7
318	9/10/2020 12:14:02	0.0	0.0	0.0

319	9/10/2020 12:15:02	1768843.6	541409.6	808464.4
320	9/10/2020 12:16:02	0.0 0.0	0.0	
321	9/10/2020 12:17:02	0.0 0.0	4265.0	
322	9/10/2020 12:18:02	202834.7	11.8 858796.9	
323	9/10/2020 12:19:02	808661.8	12.6 0.0	
324	9/10/2020 12:20:02	0.0 0.0	0.0	
325	9/10/2020 12:21:02	0.0 0.0	0.0	
326	9/10/2020 12:22:02	0.0 0.0	0.0	
327	9/10/2020 12:23:02	0.0 0.0	0.0	
328	9/10/2020 12:24:02	0.0 327.7	0.0	
329	9/10/2020 12:25:02	0.0 0.0	1768843.6	
330	9/10/2020 12:26:02	541409.6	808464.4 0.0	
331	9/10/2020 12:27:02	0.0 0.0	0.0	
332	9/10/2020 12:28:02	0.0 4265.0	202834.7	
333	9/10/2020 12:29:02	11.8 858796.9	808661.8	
334	9/10/2020 12:30:02	12.6 0.0	0.0	
335	9/10/2020 12:31:02	0.0 0.0	0.0	
336	9/10/2020 12:32:02	0.0 0.0	0.0	
337	9/10/2020 12:33:02	0.0 0.0	0.0	
338	9/10/2020 12:34:02	0.0 0.0	0.0	
339	9/10/2020 12:35:02	327.7 0.0	0.0	
340	9/10/2020 12:36:02	0.0 1768843.6	541409.6	
341	9/10/2020 12:37:02	808464.4 0.0	0.0	
342	9/10/2020 12:38:02	0.0 0.0	0.0	
343	9/10/2020 12:39:02	4265.0 202834.7	11.8	
344	9/10/2020 12:40:02	858796.9	808661.8 12.6	
345	9/10/2020 12:41:02	0.0 0.0	0.0	
346	9/10/2020 12:42:02	0.0 0.0	0.0	
347	9/10/2020 12:43:02	0.0 0.0	0.0	
348	9/10/2020 12:44:02	0.0 0.0	0.0	
349	9/10/2020 12:45:02	0.0 0.0	327.7	
350	9/10/2020 12:46:02	0.0 0.0	0.0	
351	9/10/2020 12:47:02	1768843.6	541409.6 808464.4	
352	9/10/2020 12:48:02	0.0 0.0	0.0	
353	9/10/2020 12:49:02	0.0 0.0	4265.0	
354	9/10/2020 12:50:02	202834.7	11.8 858796.9	
355	9/10/2020 12:51:02	808661.8	12.6 0.0	
356	9/10/2020 12:52:02	0.0 0.0	0.0	
357	9/10/2020 12:53:02	0.0 0.0	0.0	
358	9/10/2020 12:54:02	0.0 0.0	0.0	
359	9/10/2020 12:55:02	0.0 0.0	0.0	
360	9/10/2020 12:56:02	0.0 327.7	0.0	
361	9/10/2020 12:57:02	0.0 0.0	1768843.6	
362	9/10/2020 12:58:02	541409.6	808464.4 0.0	
363	9/10/2020 12:59:02	0.0 0.0	0.0	
364	9/10/2020 13:00:02	0.0 4265.0	202834.7	
365	9/10/2020 13:01:02	11.8 858796.9	808661.8	
366	9/10/2020 13:02:02	12.6 0.0	0.0	
367	9/10/2020 13:03:02	0.0 0.0	0.0	
368	9/10/2020 13:04:02	0.0 0.0	0.0	

369	9/10/2020 13:05:02	0.0	0.0	0.0	
370	9/10/2020 13:06:02	0.0	0.0	0.0	
371	9/10/2020 13:07:02	327.7	0.0	0.0	
372	9/10/2020 13:08:02	0.0	1768843.6	541409.6	
373	9/10/2020 13:09:02	808464.4	0.0	0.0	
374	9/10/2020 13:10:02	0.0	0.0	0.0	
375	9/10/2020 13:11:02	4265.0	202834.7	11.8	
376	9/10/2020 13:12:02	858796.9	808661.8	12.6	
377	9/10/2020 13:13:02	0.0	0.0	0.0	
378	9/10/2020 13:14:02	0.0	0.0	0.0	
379	9/10/2020 13:15:02	0.0	0.0	0.0	
380	9/10/2020 13:16:02	0.0	0.0	0.0	
381	9/10/2020 13:17:02	0.0	0.0	327.7	
382	9/10/2020 13:18:02	0.0	0.0	0.0	
383	9/10/2020 13:19:02	1768843.6	541409.6	808464.4	
384	9/10/2020 13:20:02	0.0	0.0	0.0	
385	9/10/2020 13:21:02	0.0	0.0	4265.0	
386	9/10/2020 13:22:02	202834.7	11.8	858796.9	
387	9/10/2020 13:23:02	808661.8	12.6	0.0	
388	9/10/2020 13:24:02	0.0	0.0	0.0	
389	9/10/2020 13:25:02	0.0	0.0	0.0	
390	9/10/2020 13:26:02	0.0	0.0	0.0	
391	9/10/2020 13:27:02	0.0	0.0	0.0	
392	9/10/2020 13:28:02	0.0	327.7	0.0	
393	9/10/2020 13:29:02	0.0	0.0	1768843.6	
394	9/10/2020 13:30:02	541409.6	808464.4	0.0	
395	9/10/2020 13:31:02	0.0	0.0	0.0	
396	9/10/2020 13:32:02	0.0	4265.0	202834.7	
397	9/10/2020 13:33:02	11.8	858796.9	808661.8	
398	9/10/2020 13:34:02	12.6	0.0	0.0	
399	9/10/2020 13:35:02	0.0	0.0	0.0	
400	9/10/2020 13:36:02	0.0	0.0	0.0	
401	9/10/2020 13:37:02	0.0	0.0	0.0	
402	9/10/2020 13:38:02	0.0	0.0	0.0	
Peak		1768843.6	1768843.6	1768843.6	
Min		0.0	0.0	0.0	
Average		113144.5	115955.7	118713.9	

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	9/10/2020 06:57:02	0.0	---
002	9/10/2020 06:58:02	0.0	---
003	9/10/2020 06:59:02	0.0	---
004	9/10/2020 07:00:02	0.0	---
005	9/10/2020 07:01:02	0.0	---
006	9/10/2020 07:02:02	0.0	---
007	9/10/2020 07:03:02	0.0	---
008	9/10/2020 07:04:02	0.0	---

009	9/10/2020 07:05:02	0.0	---
010	9/10/2020 07:06:02	0.0	---
011	9/10/2020 07:07:02	0.0	---
012	9/10/2020 07:08:02	0.0	---
013	9/10/2020 07:09:02	0.0	---
014	9/10/2020 07:10:02	0.0	---
015	9/10/2020 07:11:02	0.0	0.0
016	9/10/2020 07:12:02	0.0	0.0
017	9/10/2020 07:13:02	0.0	0.0
018	9/10/2020 07:14:02	0.0	0.0
019	9/10/2020 07:15:02	0.0	0.0
020	9/10/2020 07:16:02	0.0	0.0
021	9/10/2020 07:17:02	0.0	0.0
022	9/10/2020 07:18:02	0.0	0.0
023	9/10/2020 07:19:02	0.0	0.0
024	9/10/2020 07:20:02	0.0	0.0
025	9/10/2020 07:21:02	0.0	0.0
026	9/10/2020 07:22:02	0.0	0.0
027	9/10/2020 07:23:02	0.0	0.0
028	9/10/2020 07:24:02	0.0	0.0
029	9/10/2020 07:25:02	0.0	0.0
030	9/10/2020 07:26:02	0.0	0.0
031	9/10/2020 07:27:02	0.0	0.0
032	9/10/2020 07:28:02	0.0	0.0
033	9/10/2020 07:29:02	0.0	0.0
034	9/10/2020 07:30:02	0.0	0.0
035	9/10/2020 07:31:02	0.0	0.0
036	9/10/2020 07:32:02	0.0	0.0
037	9/10/2020 07:33:02	0.0	0.0
038	9/10/2020 07:34:02	0.0	0.0
039	9/10/2020 07:35:02	0.0	0.0
040	9/10/2020 07:36:02	0.0	0.0
041	9/10/2020 07:37:02	0.0	0.0
042	9/10/2020 07:38:02	0.0	0.0
043	9/10/2020 07:39:02	0.0	0.0
044	9/10/2020 07:40:02	0.0	0.0
045	9/10/2020 07:41:02	0.0	0.0
046	9/10/2020 07:42:02	0.0	0.0
047	9/10/2020 07:43:02	0.0	0.0
048	9/10/2020 07:44:02	0.0	0.0
049	9/10/2020 07:45:02	0.0	0.0
050	9/10/2020 07:46:02	0.0	0.0
051	9/10/2020 07:47:02	0.0	0.0
052	9/10/2020 07:48:02	0.0	0.0
053	9/10/2020 07:49:02	0.0	0.0
054	9/10/2020 07:50:02	0.0	0.0
055	9/10/2020 07:51:02	0.0	0.0
056	9/10/2020 07:52:02	0.0	0.0
057	9/10/2020 07:53:02	0.0	0.0
058	9/10/2020 07:54:02	0.0	0.0

059	9/10/2020 07:55:02	0.0	0.0
060	9/10/2020 07:56:02	0.0	0.0
061	9/10/2020 07:57:02	0.0	0.0
062	9/10/2020 07:58:02	0.0	0.0
063	9/10/2020 07:59:02	0.0	0.0
064	9/10/2020 08:00:02	0.0	0.0
065	9/10/2020 08:01:02	0.0	0.0
066	9/10/2020 08:02:02	0.0	0.0
067	9/10/2020 08:03:02	0.0	0.0
068	9/10/2020 08:04:02	0.0	0.0
069	9/10/2020 08:05:02	0.0	0.0
070	9/10/2020 08:06:02	0.0	0.0
071	9/10/2020 08:07:02	0.0	0.0
072	9/10/2020 08:08:02	0.0	0.0
073	9/10/2020 08:09:02	0.0	0.0
074	9/10/2020 08:10:02	0.0	0.0
075	9/10/2020 08:11:02	0.0	0.0
076	9/10/2020 08:12:02	0.0	0.0
077	9/10/2020 08:13:02	0.0	0.0
078	9/10/2020 08:14:02	0.0	0.0
079	9/10/2020 08:15:02	0.0	0.0
080	9/10/2020 08:16:02	0.0	0.0
081	9/10/2020 08:17:02	0.0	0.0
082	9/10/2020 08:18:02	0.0	0.0
083	9/10/2020 08:19:02	0.0	0.0
084	9/10/2020 08:20:02	0.0	0.0
085	9/10/2020 08:21:02	0.0	0.0
086	9/10/2020 08:22:02	0.0	0.0
087	9/10/2020 08:23:02	0.0	0.0
088	9/10/2020 08:24:02	0.0	0.0
089	9/10/2020 08:25:02	0.0	0.0
090	9/10/2020 08:26:02	0.0	0.0
091	9/10/2020 08:27:02	0.0	0.0
092	9/10/2020 08:28:02	0.0	0.0
093	9/10/2020 08:29:02	0.0	0.0
094	9/10/2020 08:30:02	0.0	0.0
095	9/10/2020 08:31:02	0.0	0.0
096	9/10/2020 08:32:02	0.0	0.0
097	9/10/2020 08:33:02	0.0	0.0
098	9/10/2020 08:34:02	0.0	0.0
099	9/10/2020 08:35:02	0.0	0.0
100	9/10/2020 08:36:02	0.0	0.0
101	9/10/2020 08:37:02	0.0	0.0
102	9/10/2020 08:38:02	0.0	0.0
103	9/10/2020 08:39:02	0.0	0.0
104	9/10/2020 08:40:02	0.0	0.0
105	9/10/2020 08:41:02	3685.1	117922.9
106	9/10/2020 08:42:02	3685.1	117922.9
107	9/10/2020 08:43:02	3685.1	117922.9
108	9/10/2020 08:44:02	4107.7	131445.2

109	9/10/2020 08:45:02	5792.4	185356.0
110	9/10/2020 08:46:02	5792.4	185356.0
111	9/10/2020 08:47:02	5792.4	185356.0
112	9/10/2020 08:48:02	5792.4	185356.0
113	9/10/2020 08:49:02	5792.4	185356.0
114	9/10/2020 08:50:02	5792.4	185356.0
115	9/10/2020 08:51:02	5792.4	185356.0
116	9/10/2020 08:52:02	6920.3	221450.0
117	9/10/2020 08:53:02	6920.3	221450.0
118	9/10/2020 08:54:02	6920.3	221450.0
119	9/10/2020 08:55:02	6920.3	221450.8
120	9/10/2020 08:56:02	6920.4	221451.6
121	9/10/2020 08:57:02	6920.4	103528.7
122	9/10/2020 08:58:02	6920.4	103528.7
123	9/10/2020 08:59:02	6920.4	103528.7
124	9/10/2020 09:00:02	6920.4	90006.4
125	9/10/2020 09:01:02	6921.0	36117.4
126	9/10/2020 09:02:02	6921.0	36117.4
127	9/10/2020 09:03:02	8605.3	90015.1
128	9/10/2020 09:04:02	8605.3	90015.1
129	9/10/2020 09:05:02	8614.2	90299.4
130	9/10/2020 09:06:02	10403.4	147552.5
131	9/10/2020 09:07:02	10403.4	147552.5
132	9/10/2020 09:08:02	10403.4	111458.6
133	9/10/2020 09:09:02	10403.4	111458.6
134	9/10/2020 09:10:02	10403.4	111458.6
135	9/10/2020 09:11:02	10403.4	111457.8
136	9/10/2020 09:12:02	10403.4	111456.9
137	9/10/2020 09:13:02	14088.5	229379.8
138	9/10/2020 09:14:02	14088.5	229379.8
139	9/10/2020 09:15:02	14088.5	229379.8
140	9/10/2020 09:16:02	14511.1	242902.2
141	9/10/2020 09:17:02	16195.8	296791.1
142	9/10/2020 09:18:02	16195.8	296791.1
143	9/10/2020 09:19:02	16195.8	242893.5
144	9/10/2020 09:20:02	16195.8	242893.5
145	9/10/2020 09:21:02	16195.8	242609.1
146	9/10/2020 09:22:02	16195.8	185356.0
147	9/10/2020 09:23:02	16195.8	185356.0
148	9/10/2020 09:24:02	17323.7	221450.0
149	9/10/2020 09:25:02	17323.7	221450.0
150	9/10/2020 09:26:02	17323.7	221450.0
151	9/10/2020 09:27:02	17323.7	221450.8
152	9/10/2020 09:28:02	17323.8	221451.6
153	9/10/2020 09:29:02	17323.8	103528.7
154	9/10/2020 09:30:02	17323.8	103528.7
155	9/10/2020 09:31:02	17323.8	103528.7
156	9/10/2020 09:32:02	17323.8	90006.4
157	9/10/2020 09:33:02	17324.4	36117.4
158	9/10/2020 09:34:02	17324.4	36117.4

159	9/10/2020 09:35:02	19008.7 90015.1
160	9/10/2020 09:36:02	19008.7 90015.1
161	9/10/2020 09:37:02	19017.6 90299.4
162	9/10/2020 09:38:02	20806.8 147552.5
163	9/10/2020 09:39:02	20806.8 147552.5
164	9/10/2020 09:40:02	20806.8 111458.6
165	9/10/2020 09:41:02	20806.8 111458.6
166	9/10/2020 09:42:02	20806.8 111458.6
167	9/10/2020 09:43:02	20806.8 111457.8
168	9/10/2020 09:44:02	20806.8 111456.9
169	9/10/2020 09:45:02	24491.9 229379.8
170	9/10/2020 09:46:02	24491.9 229379.8
171	9/10/2020 09:47:02	24491.9 229379.8
172	9/10/2020 09:48:02	24914.4 242902.2
173	9/10/2020 09:49:02	26599.2 296791.1
174	9/10/2020 09:50:02	26599.2 296791.1
175	9/10/2020 09:51:02	26599.2 242893.5
176	9/10/2020 09:52:02	26599.2 242893.5
177	9/10/2020 09:53:02	26599.2 242609.1
178	9/10/2020 09:54:02	26599.2 185356.0
179	9/10/2020 09:55:02	26599.2 185356.0
180	9/10/2020 09:56:02	27727.1 221450.0
181	9/10/2020 09:57:02	27727.1 221450.0
182	9/10/2020 09:58:02	27727.1 221450.0
183	9/10/2020 09:59:02	27727.1 221450.8
184	9/10/2020 10:00:02	27727.1 221451.6
185	9/10/2020 10:01:02	27727.1 103528.7
186	9/10/2020 10:02:02	27727.1 103528.7
187	9/10/2020 10:03:02	27727.1 103528.7
188	9/10/2020 10:04:02	27727.1 90006.4
189	9/10/2020 10:05:02	27727.8 36117.4
190	9/10/2020 10:06:02	27727.8 36117.4
191	9/10/2020 10:07:02	29412.1 90015.1
192	9/10/2020 10:08:02	29412.1 90015.1
193	9/10/2020 10:09:02	29421.0 90299.4
194	9/10/2020 10:10:02	31210.2 147552.5
195	9/10/2020 10:11:02	31210.2 147552.5
196	9/10/2020 10:12:02	31210.2 111458.6
197	9/10/2020 10:13:02	31210.2 111458.6
198	9/10/2020 10:14:02	31210.2 111458.6
199	9/10/2020 10:15:02	31210.2 111457.8
200	9/10/2020 10:16:02	31210.2 111456.9
201	9/10/2020 10:17:02	34895.3 229379.8
202	9/10/2020 10:18:02	34895.3 229379.8
203	9/10/2020 10:19:02	34895.3 229379.8
204	9/10/2020 10:20:02	35317.8 242902.2
205	9/10/2020 10:21:02	37002.6 296791.1
206	9/10/2020 10:22:02	37002.6 296791.1
207	9/10/2020 10:23:02	37002.6 242893.5
208	9/10/2020 10:24:02	37002.6 242893.5

209	9/10/2020 10:25:02	37002.6 242609.1
210	9/10/2020 10:26:02	37002.6 185356.0
211	9/10/2020 10:27:02	37002.6 185356.0
212	9/10/2020 10:28:02	38130.5 221450.0
213	9/10/2020 10:29:02	38130.5 221450.0
214	9/10/2020 10:30:02	38130.5 221450.0
215	9/10/2020 10:31:02	38130.5 221450.8
216	9/10/2020 10:32:02	38130.5 221451.6
217	9/10/2020 10:33:02	38130.5 103528.7
218	9/10/2020 10:34:02	38130.5 103528.7
219	9/10/2020 10:35:02	38130.5 103528.7
220	9/10/2020 10:36:02	38130.5 90006.4
221	9/10/2020 10:37:02	38131.2 36117.4
222	9/10/2020 10:38:02	38131.2 36117.4
223	9/10/2020 10:39:02	39815.5 90015.1
224	9/10/2020 10:40:02	39815.5 90015.1
225	9/10/2020 10:41:02	39824.4 90299.4
226	9/10/2020 10:42:02	41613.6 147552.5
227	9/10/2020 10:43:02	41613.6 147552.5
228	9/10/2020 10:44:02	41613.6 111458.6
229	9/10/2020 10:45:02	41613.6 111458.6
230	9/10/2020 10:46:02	41613.6 111458.6
231	9/10/2020 10:47:02	41613.6 111457.8
232	9/10/2020 10:48:02	41613.6 111456.9
233	9/10/2020 10:49:02	45298.7 229379.8
234	9/10/2020 10:50:02	45298.7 229379.8
235	9/10/2020 10:51:02	45298.7 229379.8
236	9/10/2020 10:52:02	45721.2 242902.2
237	9/10/2020 10:53:02	47405.9 296791.1
238	9/10/2020 10:54:02	47405.9 296791.1
239	9/10/2020 10:55:02	47405.9 242893.5
240	9/10/2020 10:56:02	47405.9 242893.5
241	9/10/2020 10:57:02	47405.9 242609.1
242	9/10/2020 10:58:02	47405.9 185356.0
243	9/10/2020 10:59:02	47405.9 185356.0
244	9/10/2020 11:00:02	48533.9 221450.0
245	9/10/2020 11:01:02	48533.9 221450.0
246	9/10/2020 11:02:02	48533.9 221450.0
247	9/10/2020 11:03:02	48533.9 221450.8
248	9/10/2020 11:04:02	48533.9 221451.6
249	9/10/2020 11:05:02	48533.9 103528.7
250	9/10/2020 11:06:02	48533.9 103528.7
251	9/10/2020 11:07:02	48533.9 103528.7
252	9/10/2020 11:08:02	48533.9 90006.4
253	9/10/2020 11:09:02	48534.6 36117.4
254	9/10/2020 11:10:02	48534.6 36117.4
255	9/10/2020 11:11:02	50218.9 90015.1
256	9/10/2020 11:12:02	50218.9 90015.1
257	9/10/2020 11:13:02	50227.8 90299.4
258	9/10/2020 11:14:02	52017.0 147552.5

259	9/10/2020 11:15:02	52017.0 147552.5
260	9/10/2020 11:16:02	52017.0 111458.6
261	9/10/2020 11:17:02	52017.0 111458.6
262	9/10/2020 11:18:02	52017.0 111458.6
263	9/10/2020 11:19:02	52017.0 111457.8
264	9/10/2020 11:20:02	52017.0 111456.9
265	9/10/2020 11:21:02	55702.1 229379.8
266	9/10/2020 11:22:02	55702.1 229379.8
267	9/10/2020 11:23:02	55702.1 229379.8
268	9/10/2020 11:24:02	56124.6 242902.2
269	9/10/2020 11:25:02	57809.3 296791.1
270	9/10/2020 11:26:02	57809.3 296791.1
271	9/10/2020 11:27:02	57809.3 242893.5
272	9/10/2020 11:28:02	57809.3 242893.5
273	9/10/2020 11:29:02	57809.3 242609.1
274	9/10/2020 11:30:02	57809.3 185356.0
275	9/10/2020 11:31:02	57809.3 185356.0
276	9/10/2020 11:32:02	58937.3 221450.0
277	9/10/2020 11:33:02	58937.3 221450.0
278	9/10/2020 11:34:02	58937.3 221450.0
279	9/10/2020 11:35:02	58937.3 221450.8
280	9/10/2020 11:36:02	58937.3 221451.6
281	9/10/2020 11:37:02	58937.3 103528.7
282	9/10/2020 11:38:02	58937.3 103528.7
283	9/10/2020 11:39:02	58937.3 103528.7
284	9/10/2020 11:40:02	58937.3 90006.4
285	9/10/2020 11:41:02	58938.0 36117.4
286	9/10/2020 11:42:02	58938.0 36117.4
287	9/10/2020 11:43:02	60622.3 90015.1
288	9/10/2020 11:44:02	60622.3 90015.1
289	9/10/2020 11:45:02	60631.2 90299.4
290	9/10/2020 11:46:02	62420.4 147552.5
291	9/10/2020 11:47:02	62420.4 147552.5
292	9/10/2020 11:48:02	62420.4 111458.6
293	9/10/2020 11:49:02	62420.4 111458.6
294	9/10/2020 11:50:02	62420.4 111458.6
295	9/10/2020 11:51:02	62420.4 111457.8
296	9/10/2020 11:52:02	62420.4 111456.9
297	9/10/2020 11:53:02	66105.4 229379.8
298	9/10/2020 11:54:02	66105.4 229379.8
299	9/10/2020 11:55:02	66105.4 229379.8
300	9/10/2020 11:56:02	66528.0 242902.2
301	9/10/2020 11:57:02	68212.7 296791.1
302	9/10/2020 11:58:02	68212.7 296791.1
303	9/10/2020 11:59:02	68212.7 242893.5
304	9/10/2020 12:00:02	68212.7 242893.5
305	9/10/2020 12:01:02	68212.7 242609.1
306	9/10/2020 12:02:02	68212.7 185356.0
307	9/10/2020 12:03:02	68212.7 185356.0
308	9/10/2020 12:04:02	69340.7 221450.0

309	9/10/2020 12:05:02	69340.7 221450.0
310	9/10/2020 12:06:02	69340.7 221450.0
311	9/10/2020 12:07:02	69340.7 221450.8
312	9/10/2020 12:08:02	69340.7 221451.6
313	9/10/2020 12:09:02	69340.7 103528.7
314	9/10/2020 12:10:02	69340.7 103528.7
315	9/10/2020 12:11:02	69340.7 103528.7
316	9/10/2020 12:12:02	69340.7 90006.4
317	9/10/2020 12:13:02	69341.4 36117.4
318	9/10/2020 12:14:02	69341.4 36117.4
319	9/10/2020 12:15:02	71025.7 90015.1
320	9/10/2020 12:16:02	71025.7 90015.1
321	9/10/2020 12:17:02	71034.6 90299.4
322	9/10/2020 12:18:02	72823.7 147552.5
323	9/10/2020 12:19:02	72823.7 147552.5
324	9/10/2020 12:20:02	72823.7 111458.6
325	9/10/2020 12:21:02	72823.7 111458.6
326	9/10/2020 12:22:02	72823.7 111458.6
327	9/10/2020 12:23:02	72823.7 111457.8
328	9/10/2020 12:24:02	72823.7 111456.9
329	9/10/2020 12:25:02	76508.8 229379.8
330	9/10/2020 12:26:02	76508.8 229379.8
331	9/10/2020 12:27:02	76508.8 229379.8
332	9/10/2020 12:28:02	76931.4 242902.2
333	9/10/2020 12:29:02	78616.1 296791.1
334	9/10/2020 12:30:02	78616.1 296791.1
335	9/10/2020 12:31:02	78616.1 242893.5
336	9/10/2020 12:32:02	78616.1 242893.5
337	9/10/2020 12:33:02	78616.1 242609.1
338	9/10/2020 12:34:02	78616.1 185356.0
339	9/10/2020 12:35:02	78616.1 185356.0
340	9/10/2020 12:36:02	79744.1 221450.0
341	9/10/2020 12:37:02	79744.1 221450.0
342	9/10/2020 12:38:02	79744.1 221450.0
343	9/10/2020 12:39:02	79744.1 221450.8
344	9/10/2020 12:40:02	79744.1 221451.6
345	9/10/2020 12:41:02	79744.1 103528.7
346	9/10/2020 12:42:02	79744.1 103528.7
347	9/10/2020 12:43:02	79744.1 103528.7
348	9/10/2020 12:44:02	79744.1 90006.4
349	9/10/2020 12:45:02	79744.8 36117.4
350	9/10/2020 12:46:02	79744.8 36117.4
351	9/10/2020 12:47:02	81429.1 90015.1
352	9/10/2020 12:48:02	81429.1 90015.1
353	9/10/2020 12:49:02	81438.0 90299.4
354	9/10/2020 12:50:02	83227.1 147552.5
355	9/10/2020 12:51:02	83227.1 147552.5
356	9/10/2020 12:52:02	83227.1 111458.6
357	9/10/2020 12:53:02	83227.1 111458.6
358	9/10/2020 12:54:02	83227.1 111458.6

359	9/10/2020 12:55:02	83227.1 111457.8
360	9/10/2020 12:56:02	83227.1 111456.9
361	9/10/2020 12:57:02	86912.2 229379.8
362	9/10/2020 12:58:02	86912.2 229379.8
363	9/10/2020 12:59:02	86912.2 229379.8
364	9/10/2020 13:00:02	87334.8 242902.2
365	9/10/2020 13:01:02	89019.5 296791.1
366	9/10/2020 13:02:02	89019.5 296791.1
367	9/10/2020 13:03:02	89019.5 242893.5
368	9/10/2020 13:04:02	89019.5 242893.5
369	9/10/2020 13:05:02	89019.5 242609.1
370	9/10/2020 13:06:02	89019.5 185356.0
371	9/10/2020 13:07:02	89019.5 185356.0
372	9/10/2020 13:08:02	90147.4 221450.0
373	9/10/2020 13:09:02	90147.4 221450.0
374	9/10/2020 13:10:02	90147.4 221450.0
375	9/10/2020 13:11:02	90147.5 221450.8
376	9/10/2020 13:12:02	90147.5 221451.6
377	9/10/2020 13:13:02	90147.5 103528.7
378	9/10/2020 13:14:02	90147.5 103528.7
379	9/10/2020 13:15:02	90147.5 103528.7
380	9/10/2020 13:16:02	90147.5 90006.4
381	9/10/2020 13:17:02	90148.2 36117.4
382	9/10/2020 13:18:02	90148.2 36117.4
383	9/10/2020 13:19:02	91832.5 90015.1
384	9/10/2020 13:20:02	91832.5 90015.1
385	9/10/2020 13:21:02	91841.4 90299.4
386	9/10/2020 13:22:02	93630.5 147552.5
387	9/10/2020 13:23:02	93630.5 147552.5
388	9/10/2020 13:24:02	93630.5 111458.6
389	9/10/2020 13:25:02	93630.5 111458.6
390	9/10/2020 13:26:02	93630.5 111458.6
391	9/10/2020 13:27:02	93630.5 111457.8
392	9/10/2020 13:28:02	93630.5 111456.9
393	9/10/2020 13:29:02	97315.6 229379.8
394	9/10/2020 13:30:02	97315.6 229379.8
395	9/10/2020 13:31:02	97315.6 229379.8
396	9/10/2020 13:32:02	97738.2 242902.2
397	9/10/2020 13:33:02	99422.9 296791.1
398	9/10/2020 13:34:02	99422.9 296791.1
399	9/10/2020 13:35:02	99422.9 242893.5
400	9/10/2020 13:36:02	99422.9 242893.5
401	9/10/2020 13:37:02	99422.9 242609.1
402	9/10/2020 13:38:02	99422.9 185356.0

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20/09/11 13:28

Summary

Unit Name	MiniRAE 3000(PGM-7320)

Unit SN 592-909558
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Power Down

Site ID 12345678
User ID 12345678

Begin 9/11/2020 13:28:50
End 9/11/2020 13:29:07
Sample Period(s) 60
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030330Q1
Measure Type Avg; Max; Real
Span 100.0
Span 2 21429.8
Low Alarm 50.0
High Alarm 92112.5
Over Alarm 0.0
STEL Alarm 1441.8
TWA Alarm 758266.2
Measurement Gas 909558 H_2A
Calibration Time 9/9/2020 11:17

Datalog

0 record.

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20/09/14 09:38

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-909558
Unit Firmware Ver V2.20A

Running Mode Hygiene Mode
Datalog Mode Auto
Diagnostic Mode No
Stop Reason Pause in Communication Mode

Site ID 12345678
User ID 12345678

Begin 9/14/2020 09:38:55
End 9/14/2020 09:39:02
Sample Period(s) 60
Number of Records 0

Sensor PID(ppm)
Sensor SN S023030330Q1
Measure Type Avg; Max; Real
Span 100.0
Span 2 1000.0
Low Alarm 50.0
High Alarm 100.0
Over Alarm 15000.0
STEL Alarm 25.0
TWA Alarm 10.0
Measurement Gas Isobutylene
Calibration Time 9/9/2020 11:17

Datalog

0 record.

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20/09/15 07:35

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-925167

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 9/15/2020 07:35:29

End 9/15/2020 15:00:36

Sample Period(s) 60

Number of Records 445

Sensor PID(ppm)

Sensor SN S023030043V4

Measure Type Avg; Max; Real

Span 100.0

Span 2 1000.0

Low Alarm 50.0

High Alarm 100.0

Over Alarm 15000.0

STEL Alarm 100.0

TWA Alarm 50.0

Measurement Gas Isobutylene

Calibration Time 8/31/2020 14:13

Peak 0.3

Min 0.0

Average 0.2

Datalog

	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time (Avg)	(Max)	(Real)
001	9/15/2020 07:36:29	0.0	0.1 0.0
002	9/15/2020 07:37:29	0.0	0.0 0.0
003	9/15/2020 07:38:29	0.0	0.0 0.0
004	9/15/2020 07:39:29	0.0	0.0 0.0
005	9/15/2020 07:40:29	0.0	0.0 0.0
006	9/15/2020 07:41:29	0.0	0.0 0.0
007	9/15/2020 07:42:29	0.0	0.0 0.0
008	9/15/2020 07:43:29	0.0	0.0 0.0

009	9/15/2020 07:44:29	0.0	0.0	0.0
010	9/15/2020 07:45:29	0.0	0.0	0.0
011	9/15/2020 07:46:29	0.0	0.0	0.0
012	9/15/2020 07:47:29	0.0	0.0	0.0
013	9/15/2020 07:48:29	0.0	0.0	0.0
014	9/15/2020 07:49:29	0.0	0.0	0.0
015	9/15/2020 07:50:29	0.0	0.0	0.0
016	9/15/2020 07:51:29	0.0	0.0	0.0
017	9/15/2020 07:52:29	0.0	0.0	0.0
018	9/15/2020 07:53:29	0.0	0.0	0.0
019	9/15/2020 07:54:29	0.0	0.0	0.0
020	9/15/2020 07:55:29	0.0	0.0	0.0
021	9/15/2020 07:56:29	0.0	0.0	0.0
022	9/15/2020 07:57:29	0.0	0.0	0.0
023	9/15/2020 07:58:29	0.0	0.0	0.0
024	9/15/2020 07:59:29	0.0	0.0	0.0
025	9/15/2020 08:00:29	0.0	0.0	0.0
026	9/15/2020 08:01:29	0.0	0.0	0.0
027	9/15/2020 08:02:29	0.0	0.0	0.0
028	9/15/2020 08:03:29	0.0	0.0	0.0
029	9/15/2020 08:04:29	0.0	0.0	0.0
030	9/15/2020 08:05:29	0.0	0.0	0.0
031	9/15/2020 08:06:29	0.0	0.0	0.0
032	9/15/2020 08:07:29	0.0	0.0	0.0
033	9/15/2020 08:08:29	0.0	0.0	0.0
034	9/15/2020 08:09:29	0.0	0.0	0.0
035	9/15/2020 08:10:29	0.0	0.0	0.0
036	9/15/2020 08:11:29	0.0	0.0	0.0
037	9/15/2020 08:12:29	0.0	0.0	0.0
038	9/15/2020 08:13:29	0.0	0.0	0.0
039	9/15/2020 08:14:29	0.0	0.0	0.0
040	9/15/2020 08:15:29	0.0	0.0	0.0
041	9/15/2020 08:16:29	0.0	0.0	0.0
042	9/15/2020 08:17:29	0.0	0.0	0.0
043	9/15/2020 08:18:29	0.0	0.0	0.0
044	9/15/2020 08:19:29	0.0	0.0	0.0
045	9/15/2020 08:20:29	0.0	0.0	0.0
046	9/15/2020 08:21:29	0.0	0.0	0.0
047	9/15/2020 08:22:29	0.0	0.0	0.0
048	9/15/2020 08:23:29	0.0	0.0	0.0
049	9/15/2020 08:24:29	0.0	0.1	0.0
050	9/15/2020 08:25:29	0.0	0.0	0.0
051	9/15/2020 08:26:29	0.0	0.1	0.1
052	9/15/2020 08:27:29	0.1	0.1	0.1
053	9/15/2020 08:28:29	0.0	0.1	0.1
054	9/15/2020 08:29:29	0.0	0.1	0.0
055	9/15/2020 08:30:29	0.1	0.1	0.1
056	9/15/2020 08:31:29	0.1	0.1	0.1
057	9/15/2020 08:32:29	0.1	0.1	0.1
058	9/15/2020 08:33:29	0.1	0.1	0.1

059	9/15/2020 08:34:29	0.1	0.1	0.1
060	9/15/2020 08:35:29	0.1	0.1	0.1
061	9/15/2020 08:36:29	0.1	0.1	0.1
062	9/15/2020 08:37:29	0.1	0.1	0.1
063	9/15/2020 08:38:29	0.1	0.1	0.1
064	9/15/2020 08:39:29	0.1	0.1	0.1
065	9/15/2020 08:40:29	0.1	0.1	0.1
066	9/15/2020 08:41:29	0.1	0.1	0.1
067	9/15/2020 08:42:29	0.1	0.1	0.1
068	9/15/2020 08:43:29	0.1	0.1	0.1
069	9/15/2020 08:44:29	0.1	0.1	0.1
070	9/15/2020 08:45:29	0.1	0.1	0.1
071	9/15/2020 08:46:29	0.1	0.1	0.1
072	9/15/2020 08:47:29	0.1	0.1	0.1
073	9/15/2020 08:48:29	0.1	0.1	0.1
074	9/15/2020 08:49:29	0.1	0.1	0.1
075	9/15/2020 08:50:29	0.1	0.1	0.1
076	9/15/2020 08:51:29	0.1	0.1	0.1
077	9/15/2020 08:52:29	0.1	0.1	0.1
078	9/15/2020 08:53:29	0.1	0.1	0.1
079	9/15/2020 08:54:29	0.1	0.1	0.1
080	9/15/2020 08:55:29	0.1	0.1	0.1
081	9/15/2020 08:56:29	0.1	0.1	0.1
082	9/15/2020 08:57:29	0.1	0.1	0.1
083	9/15/2020 08:58:29	0.1	0.1	0.1
084	9/15/2020 08:59:29	0.1	0.1	0.1
085	9/15/2020 09:00:29	0.1	0.1	0.1
086	9/15/2020 09:01:29	0.1	0.1	0.1
087	9/15/2020 09:02:29	0.1	0.1	0.1
088	9/15/2020 09:03:29	0.1	0.1	0.1
089	9/15/2020 09:04:29	0.1	0.1	0.1
090	9/15/2020 09:05:29	0.1	0.1	0.1
091	9/15/2020 09:06:29	0.1	0.1	0.1
092	9/15/2020 09:07:29	0.1	0.1	0.1
093	9/15/2020 09:08:29	0.1	0.1	0.1
094	9/15/2020 09:09:29	0.1	0.1	0.1
095	9/15/2020 09:10:29	0.1	0.1	0.1
096	9/15/2020 09:11:29	0.1	0.1	0.1
097	9/15/2020 09:12:29	0.1	0.1	0.1
098	9/15/2020 09:13:29	0.1	0.1	0.1
099	9/15/2020 09:14:29	0.1	0.1	0.1
100	9/15/2020 09:15:29	0.1	0.1	0.1
101	9/15/2020 09:16:29	0.1	0.1	0.1
102	9/15/2020 09:17:29	0.1	0.1	0.1
103	9/15/2020 09:18:29	0.1	0.1	0.1
104	9/15/2020 09:19:29	0.1	0.1	0.1
105	9/15/2020 09:20:29	0.1	0.1	0.1
106	9/15/2020 09:21:29	0.1	0.1	0.1
107	9/15/2020 09:22:29	0.1	0.1	0.1
108	9/15/2020 09:23:29	0.1	0.1	0.1

109	9/15/2020 09:24:29	0.1	0.1	0.1
110	9/15/2020 09:25:29	0.1	0.1	0.1
111	9/15/2020 09:26:29	0.1	0.1	0.1
112	9/15/2020 09:27:29	0.1	0.1	0.1
113	9/15/2020 09:28:29	0.1	0.1	0.1
114	9/15/2020 09:29:29	0.1	0.1	0.1
115	9/15/2020 09:30:29	0.1	0.1	0.1
116	9/15/2020 09:31:29	0.1	0.1	0.1
117	9/15/2020 09:32:29	0.1	0.1	0.1
118	9/15/2020 09:33:29	0.1	0.1	0.1
119	9/15/2020 09:34:29	0.1	0.1	0.1
120	9/15/2020 09:35:29	0.1	0.1	0.1
121	9/15/2020 09:36:29	0.1	0.1	0.1
122	9/15/2020 09:37:29	0.1	0.1	0.1
123	9/15/2020 09:38:29	0.1	0.1	0.1
124	9/15/2020 09:39:29	0.1	0.1	0.1
125	9/15/2020 09:40:29	0.1	0.1	0.1
126	9/15/2020 09:41:29	0.1	0.1	0.1
127	9/15/2020 09:42:29	0.1	0.1	0.1
128	9/15/2020 09:43:29	0.1	0.2	0.1
129	9/15/2020 09:44:29	0.1	0.2	0.1
130	9/15/2020 09:45:29	0.1	0.2	0.2
131	9/15/2020 09:46:29	0.2	0.2	0.2
132	9/15/2020 09:47:29	0.2	0.2	0.2
133	9/15/2020 09:48:29	0.2	0.2	0.2
134	9/15/2020 09:49:29	0.2	0.2	0.2
135	9/15/2020 09:50:29	0.2	0.2	0.2
136	9/15/2020 09:51:29	0.2	0.2	0.2
137	9/15/2020 09:52:29	0.2	0.2	0.2
138	9/15/2020 09:53:29	0.2	0.2	0.2
139	9/15/2020 09:54:29	0.2	0.2	0.2
140	9/15/2020 09:55:29	0.2	0.2	0.2
141	9/15/2020 09:56:29	0.2	0.2	0.2
142	9/15/2020 09:57:29	0.2	0.2	0.2
143	9/15/2020 09:58:29	0.2	0.2	0.2
144	9/15/2020 09:59:29	0.2	0.2	0.2
145	9/15/2020 10:00:29	0.2	0.2	0.2
146	9/15/2020 10:01:29	0.2	0.2	0.2
147	9/15/2020 10:02:29	0.2	0.2	0.2
148	9/15/2020 10:03:29	0.2	0.2	0.2
149	9/15/2020 10:04:29	0.2	0.2	0.2
150	9/15/2020 10:05:29	0.2	0.2	0.2
151	9/15/2020 10:06:29	0.2	0.2	0.2
152	9/15/2020 10:07:29	0.2	0.2	0.2
153	9/15/2020 10:08:29	0.2	0.2	0.2
154	9/15/2020 10:09:29	0.2	0.2	0.2
155	9/15/2020 10:10:29	0.2	0.2	0.2
156	9/15/2020 10:11:29	0.2	0.2	0.2
157	9/15/2020 10:12:29	0.2	0.2	0.2
158	9/15/2020 10:13:29	0.2	0.2	0.2

159	9/15/2020	10:14:29	0.2	0.2	0.2
160	9/15/2020	10:15:29	0.2	0.2	0.2
161	9/15/2020	10:16:29	0.2	0.2	0.2
162	9/15/2020	10:17:29	0.2	0.2	0.2
163	9/15/2020	10:18:29	0.2	0.2	0.2
164	9/15/2020	10:19:29	0.2	0.2	0.2
165	9/15/2020	10:20:29	0.2	0.2	0.2
166	9/15/2020	10:21:29	0.2	0.2	0.2
167	9/15/2020	10:22:29	0.2	0.2	0.2
168	9/15/2020	10:23:29	0.2	0.2	0.2
169	9/15/2020	10:24:29	0.2	0.2	0.2
170	9/15/2020	10:25:29	0.2	0.2	0.2
171	9/15/2020	10:26:29	0.2	0.2	0.2
172	9/15/2020	10:27:29	0.2	0.2	0.2
173	9/15/2020	10:28:29	0.2	0.2	0.2
174	9/15/2020	10:29:29	0.2	0.2	0.2
175	9/15/2020	10:30:29	0.2	0.2	0.2
176	9/15/2020	10:31:29	0.2	0.2	0.2
177	9/15/2020	10:32:29	0.2	0.2	0.2
178	9/15/2020	10:33:29	0.2	0.2	0.2
179	9/15/2020	10:34:29	0.2	0.2	0.2
180	9/15/2020	10:35:29	0.2	0.2	0.2
181	9/15/2020	10:36:29	0.2	0.2	0.2
182	9/15/2020	10:37:29	0.2	0.2	0.2
183	9/15/2020	10:38:29	0.2	0.2	0.2
184	9/15/2020	10:39:29	0.2	0.2	0.2
185	9/15/2020	10:40:29	0.2	0.2	0.2
186	9/15/2020	10:41:29	0.2	0.2	0.2
187	9/15/2020	10:42:29	0.2	0.2	0.2
188	9/15/2020	10:43:29	0.2	0.2	0.2
189	9/15/2020	10:44:29	0.2	0.2	0.2
190	9/15/2020	10:45:29	0.2	0.2	0.2
191	9/15/2020	10:46:29	0.2	0.2	0.2
192	9/15/2020	10:47:29	0.2	0.2	0.2
193	9/15/2020	10:48:29	0.2	0.2	0.2
194	9/15/2020	10:49:29	0.2	0.2	0.2
195	9/15/2020	10:50:29	0.2	0.2	0.2
196	9/15/2020	10:51:29	0.2	0.2	0.2
197	9/15/2020	10:52:29	0.2	0.2	0.2
198	9/15/2020	10:53:29	0.2	0.2	0.2
199	9/15/2020	10:54:29	0.2	0.2	0.2
200	9/15/2020	10:55:29	0.2	0.2	0.2
201	9/15/2020	10:56:29	0.2	0.2	0.2
202	9/15/2020	10:57:29	0.2	0.2	0.2
203	9/15/2020	10:58:29	0.2	0.2	0.2
204	9/15/2020	10:59:29	0.2	0.2	0.2
205	9/15/2020	11:00:29	0.2	0.2	0.2
206	9/15/2020	11:01:29	0.2	0.2	0.2
207	9/15/2020	11:02:29	0.2	0.2	0.2
208	9/15/2020	11:03:29	0.2	0.2	0.2

209	9/15/2020	11:04:29	0.2	0.2	0.2
210	9/15/2020	11:05:29	0.2	0.2	0.2
211	9/15/2020	11:06:29	0.2	0.2	0.2
212	9/15/2020	11:07:29	0.2	0.2	0.2
213	9/15/2020	11:08:29	0.2	0.2	0.2
214	9/15/2020	11:09:29	0.2	0.2	0.2
215	9/15/2020	11:10:29	0.2	0.2	0.2
216	9/15/2020	11:11:29	0.2	0.2	0.2
217	9/15/2020	11:12:29	0.2	0.2	0.2
218	9/15/2020	11:13:29	0.2	0.2	0.2
219	9/15/2020	11:14:29	0.2	0.2	0.2
220	9/15/2020	11:15:29	0.2	0.2	0.2
221	9/15/2020	11:16:29	0.2	0.2	0.2
222	9/15/2020	11:17:29	0.2	0.2	0.2
223	9/15/2020	11:18:29	0.2	0.2	0.2
224	9/15/2020	11:19:29	0.2	0.2	0.2
225	9/15/2020	11:20:29	0.2	0.2	0.2
226	9/15/2020	11:21:29	0.2	0.2	0.2
227	9/15/2020	11:22:29	0.2	0.2	0.2
228	9/15/2020	11:23:29	0.2	0.2	0.2
229	9/15/2020	11:24:29	0.2	0.2	0.2
230	9/15/2020	11:25:29	0.2	0.2	0.2
231	9/15/2020	11:26:29	0.2	0.2	0.2
232	9/15/2020	11:27:29	0.2	0.2	0.2
233	9/15/2020	11:28:29	0.2	0.2	0.2
234	9/15/2020	11:29:29	0.2	0.2	0.2
235	9/15/2020	11:30:29	0.2	0.2	0.2
236	9/15/2020	11:31:29	0.2	0.2	0.2
237	9/15/2020	11:32:29	0.2	0.2	0.2
238	9/15/2020	11:33:29	0.2	0.2	0.2
239	9/15/2020	11:34:29	0.2	0.2	0.2
240	9/15/2020	11:35:29	0.2	0.2	0.2
241	9/15/2020	11:36:29	0.2	0.2	0.2
242	9/15/2020	11:37:29	0.2	0.3	0.2
243	9/15/2020	11:38:29	0.2	0.3	0.2
244	9/15/2020	11:39:29	0.2	0.3	0.2
245	9/15/2020	11:40:29	0.2	0.2	0.2
246	9/15/2020	11:41:29	0.2	0.2	0.2
247	9/15/2020	11:42:29	0.2	0.2	0.2
248	9/15/2020	11:43:29	0.2	0.3	0.3
249	9/15/2020	11:44:29	0.2	0.2	0.2
250	9/15/2020	11:45:29	0.2	0.2	0.2
251	9/15/2020	11:46:29	0.2	0.2	0.2
252	9/15/2020	11:47:29	0.2	0.3	0.2
253	9/15/2020	11:48:29	0.2	0.3	0.3
254	9/15/2020	11:49:29	0.2	0.3	0.3
255	9/15/2020	11:50:29	0.3	0.3	0.3
256	9/15/2020	11:51:29	0.3	0.3	0.3
257	9/15/2020	11:52:29	0.3	0.3	0.3
258	9/15/2020	11:53:29	0.2	0.3	0.2

259	9/15/2020	11:54:29	0.2	0.2	0.2
260	9/15/2020	11:55:29	0.2	0.2	0.2
261	9/15/2020	11:56:29	0.2	0.2	0.2
262	9/15/2020	11:57:29	0.2	0.2	0.2
263	9/15/2020	11:58:29	0.2	0.2	0.2
264	9/15/2020	11:59:29	0.2	0.2	0.2
265	9/15/2020	12:00:29	0.2	0.2	0.2
266	9/15/2020	12:01:29	0.2	0.3	0.2
267	9/15/2020	12:02:29	0.2	0.2	0.2
268	9/15/2020	12:03:29	0.2	0.3	0.3
269	9/15/2020	12:04:29	0.2	0.3	0.3
270	9/15/2020	12:05:29	0.3	0.3	0.3
271	9/15/2020	12:06:29	0.3	0.3	0.3
272	9/15/2020	12:07:29	0.2	0.3	0.3
273	9/15/2020	12:08:29	0.3	0.3	0.3
274	9/15/2020	12:09:29	0.3	0.3	0.3
275	9/15/2020	12:10:29	0.3	0.3	0.3
276	9/15/2020	12:11:29	0.3	0.3	0.3
277	9/15/2020	12:12:29	0.3	0.3	0.3
278	9/15/2020	12:13:29	0.3	0.3	0.3
279	9/15/2020	12:14:29	0.3	0.3	0.3
280	9/15/2020	12:15:29	0.3	0.3	0.3
281	9/15/2020	12:16:29	0.3	0.3	0.3
282	9/15/2020	12:17:29	0.3	0.3	0.3
283	9/15/2020	12:18:29	0.3	0.3	0.3
284	9/15/2020	12:19:29	0.3	0.3	0.3
285	9/15/2020	12:20:29	0.3	0.3	0.3
286	9/15/2020	12:21:29	0.3	0.3	0.3
287	9/15/2020	12:22:29	0.3	0.3	0.3
288	9/15/2020	12:23:29	0.3	0.3	0.3
289	9/15/2020	12:24:29	0.3	0.3	0.3
290	9/15/2020	12:25:29	0.3	0.3	0.3
291	9/15/2020	12:26:29	0.3	0.3	0.3
292	9/15/2020	12:27:29	0.3	0.3	0.3
293	9/15/2020	12:28:29	0.3	0.3	0.3
294	9/15/2020	12:29:29	0.3	0.3	0.3
295	9/15/2020	12:30:29	0.3	0.3	0.3
296	9/15/2020	12:31:29	0.3	0.3	0.3
297	9/15/2020	12:32:29	0.3	0.3	0.3
298	9/15/2020	12:33:29	0.3	0.3	0.3
299	9/15/2020	12:34:29	0.3	0.3	0.3
300	9/15/2020	12:35:29	0.3	0.3	0.3
301	9/15/2020	12:36:29	0.3	0.3	0.3
302	9/15/2020	12:37:29	0.3	0.3	0.3
303	9/15/2020	12:38:29	0.3	0.3	0.3
304	9/15/2020	12:39:29	0.3	0.3	0.3
305	9/15/2020	12:40:29	0.3	0.3	0.3
306	9/15/2020	12:41:29	0.3	0.3	0.3
307	9/15/2020	12:42:29	0.3	0.3	0.3
308	9/15/2020	12:43:29	0.3	0.3	0.3

309	9/15/2020 12:44:29	0.3	0.3	0.3
310	9/15/2020 12:45:29	0.3	0.3	0.3
311	9/15/2020 12:46:29	0.3	0.3	0.3
312	9/15/2020 12:47:29	0.3	0.3	0.3
313	9/15/2020 12:48:29	0.3	0.3	0.3
314	9/15/2020 12:49:29	0.3	0.3	0.3
315	9/15/2020 12:50:29	0.3	0.3	0.3
316	9/15/2020 12:51:29	0.3	0.3	0.3
317	9/15/2020 12:52:29	0.3	0.3	0.3
318	9/15/2020 12:53:29	0.3	0.3	0.3
319	9/15/2020 12:54:29	0.3	0.3	0.3
320	9/15/2020 12:55:29	0.3	0.3	0.3
321	9/15/2020 12:56:29	0.3	0.3	0.3
322	9/15/2020 12:57:29	0.3	0.3	0.3
323	9/15/2020 12:58:29	0.3	0.3	0.3
324	9/15/2020 12:59:29	0.3	0.3	0.3
325	9/15/2020 13:00:29	0.3	0.3	0.3
326	9/15/2020 13:01:29	0.3	0.3	0.3
327	9/15/2020 13:02:29	0.3	0.3	0.3
328	9/15/2020 13:03:29	0.3	0.3	0.3
329	9/15/2020 13:04:29	0.3	0.3	0.3
330	9/15/2020 13:05:29	0.3	0.3	0.3
331	9/15/2020 13:06:29	0.3	0.3	0.3
332	9/15/2020 13:07:29	0.3	0.3	0.3
333	9/15/2020 13:08:29	0.3	0.3	0.3
334	9/15/2020 13:09:29	0.3	0.3	0.3
335	9/15/2020 13:10:29	0.3	0.3	0.3
336	9/15/2020 13:11:29	0.3	0.3	0.3
337	9/15/2020 13:12:29	0.3	0.3	0.3
338	9/15/2020 13:13:29	0.3	0.3	0.3
339	9/15/2020 13:14:29	0.3	0.3	0.3
340	9/15/2020 13:15:29	0.3	0.3	0.3
341	9/15/2020 13:16:29	0.3	0.3	0.3
342	9/15/2020 13:17:29	0.3	0.3	0.3
343	9/15/2020 13:18:29	0.3	0.3	0.3
344	9/15/2020 13:19:29	0.3	0.3	0.3
345	9/15/2020 13:20:29	0.3	0.3	0.3
346	9/15/2020 13:21:29	0.3	0.3	0.3
347	9/15/2020 13:22:29	0.3	0.3	0.3
348	9/15/2020 13:23:29	0.3	0.3	0.3
349	9/15/2020 13:24:29	0.3	0.3	0.3
350	9/15/2020 13:25:29	0.3	0.3	0.3
351	9/15/2020 13:26:29	0.3	0.3	0.3
352	9/15/2020 13:27:29	0.3	0.3	0.3
353	9/15/2020 13:28:29	0.3	0.3	0.3
354	9/15/2020 13:29:29	0.3	0.3	0.3
355	9/15/2020 13:30:29	0.3	0.3	0.3
356	9/15/2020 13:31:29	0.3	0.3	0.3
357	9/15/2020 13:32:29	0.3	0.3	0.3
358	9/15/2020 13:33:29	0.3	0.3	0.3

359	9/15/2020	13:34:29	0.3	0.3	0.3
360	9/15/2020	13:35:29	0.3	0.3	0.3
361	9/15/2020	13:36:29	0.3	0.3	0.3
362	9/15/2020	13:37:29	0.3	0.3	0.3
363	9/15/2020	13:38:29	0.3	0.3	0.3
364	9/15/2020	13:39:29	0.3	0.3	0.3
365	9/15/2020	13:40:29	0.3	0.3	0.3
366	9/15/2020	13:41:29	0.3	0.3	0.3
367	9/15/2020	13:42:29	0.3	0.3	0.3
368	9/15/2020	13:43:29	0.3	0.3	0.3
369	9/15/2020	13:44:29	0.3	0.3	0.3
370	9/15/2020	13:45:29	0.3	0.3	0.3
371	9/15/2020	13:46:29	0.3	0.3	0.3
372	9/15/2020	13:47:29	0.3	0.3	0.3
373	9/15/2020	13:48:29	0.3	0.3	0.3
374	9/15/2020	13:49:29	0.3	0.3	0.3
375	9/15/2020	13:50:29	0.3	0.3	0.3
376	9/15/2020	13:51:29	0.3	0.3	0.3
377	9/15/2020	13:52:29	0.3	0.3	0.3
378	9/15/2020	13:53:29	0.3	0.3	0.3
379	9/15/2020	13:54:29	0.3	0.3	0.3
380	9/15/2020	13:55:29	0.3	0.3	0.3
381	9/15/2020	13:56:29	0.3	0.3	0.3
382	9/15/2020	13:57:29	0.3	0.3	0.3
383	9/15/2020	13:58:29	0.3	0.3	0.3
384	9/15/2020	13:59:29	0.3	0.3	0.3
385	9/15/2020	14:00:29	0.3	0.3	0.3
386	9/15/2020	14:01:29	0.3	0.3	0.3
387	9/15/2020	14:02:29	0.3	0.3	0.3
388	9/15/2020	14:03:29	0.3	0.3	0.3
389	9/15/2020	14:04:29	0.3	0.3	0.3
390	9/15/2020	14:05:29	0.3	0.3	0.3
391	9/15/2020	14:06:29	0.2	0.3	0.2
392	9/15/2020	14:07:29	0.2	0.2	0.2
393	9/15/2020	14:08:29	0.2	0.2	0.2
394	9/15/2020	14:09:29	0.2	0.2	0.2
395	9/15/2020	14:10:29	0.2	0.2	0.2
396	9/15/2020	14:11:29	0.2	0.2	0.2
397	9/15/2020	14:12:29	0.2	0.2	0.2
398	9/15/2020	14:13:29	0.2	0.2	0.2
399	9/15/2020	14:14:29	0.2	0.2	0.2
400	9/15/2020	14:15:29	0.2	0.2	0.2
401	9/15/2020	14:16:29	0.2	0.2	0.2
402	9/15/2020	14:17:29	0.2	0.3	0.2
403	9/15/2020	14:18:29	0.2	0.3	0.3
404	9/15/2020	14:19:29	0.2	0.3	0.2
405	9/15/2020	14:20:29	0.2	0.3	0.2
406	9/15/2020	14:21:29	0.2	0.3	0.2
407	9/15/2020	14:22:29	0.2	0.3	0.2
408	9/15/2020	14:23:29	0.3	0.3	0.2

409	9/15/2020	14:24:29	0.3	0.3	0.3
410	9/15/2020	14:25:29	0.3	0.3	0.3
411	9/15/2020	14:26:29	0.3	0.3	0.3
412	9/15/2020	14:27:29	0.3	0.3	0.3
413	9/15/2020	14:28:29	0.3	0.3	0.3
414	9/15/2020	14:29:29	0.3	0.3	0.3
415	9/15/2020	14:30:29	0.3	0.3	0.3
416	9/15/2020	14:31:29	0.2	0.3	0.3
417	9/15/2020	14:32:29	0.2	0.3	0.2
418	9/15/2020	14:33:29	0.2	0.3	0.3
419	9/15/2020	14:34:29	0.2	0.3	0.2
420	9/15/2020	14:35:29	0.2	0.3	0.2
421	9/15/2020	14:36:29	0.2	0.2	0.2
422	9/15/2020	14:37:29	0.2	0.2	0.2
423	9/15/2020	14:38:29	0.2	0.2	0.2
424	9/15/2020	14:39:29	0.2	0.2	0.2
425	9/15/2020	14:40:29	0.2	0.2	0.2
426	9/15/2020	14:41:29	0.2	0.2	0.2
427	9/15/2020	14:42:29	0.2	0.2	0.2
428	9/15/2020	14:43:29	0.2	0.2	0.2
429	9/15/2020	14:44:29	0.2	0.2	0.2
430	9/15/2020	14:45:29	0.2	0.2	0.2
431	9/15/2020	14:46:29	0.2	0.2	0.2
432	9/15/2020	14:47:29	0.2	0.2	0.2
433	9/15/2020	14:48:29	0.2	0.2	0.2
434	9/15/2020	14:49:29	0.2	0.2	0.2
435	9/15/2020	14:50:29	0.2	0.2	0.2
436	9/15/2020	14:51:29	0.2	0.2	0.2
437	9/15/2020	14:52:29	0.2	0.2	0.2
438	9/15/2020	14:53:29	0.2	0.2	0.2
439	9/15/2020	14:54:29	0.2	0.2	0.2
440	9/15/2020	14:55:29	0.2	0.2	0.2
441	9/15/2020	14:56:29	0.2	0.2	0.2
442	9/15/2020	14:57:29	0.2	0.2	0.2
443	9/15/2020	14:58:29	0.2	0.2	0.2
444	9/15/2020	14:59:29	0.2	0.2	0.2
445	9/15/2020	15:00:29	0.2	0.3	0.3
Peak		0.3	0.3	0.3	
Min		0.0	0.0	0.0	
Average		0.2	0.2	0.2	

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)	
001	9/15/2020 07:36:29	0.0	---	
002	9/15/2020 07:37:29	0.0	---	
003	9/15/2020 07:38:29	0.0	---	
004	9/15/2020 07:39:29	0.0	---	
005	9/15/2020 07:40:29	0.0	---	

006	9/15/2020 07:41:29	0.0	---
007	9/15/2020 07:42:29	0.0	---
008	9/15/2020 07:43:29	0.0	---
009	9/15/2020 07:44:29	0.0	---
010	9/15/2020 07:45:29	0.0	---
011	9/15/2020 07:46:29	0.0	---
012	9/15/2020 07:47:29	0.0	---
013	9/15/2020 07:48:29	0.0	---
014	9/15/2020 07:49:29	0.0	---
015	9/15/2020 07:50:29	0.0	0.0
016	9/15/2020 07:51:29	0.0	0.0
017	9/15/2020 07:52:29	0.0	0.0
018	9/15/2020 07:53:29	0.0	0.0
019	9/15/2020 07:54:29	0.0	0.0
020	9/15/2020 07:55:29	0.0	0.0
021	9/15/2020 07:56:29	0.0	0.0
022	9/15/2020 07:57:29	0.0	0.0
023	9/15/2020 07:58:29	0.0	0.0
024	9/15/2020 07:59:29	0.0	0.0
025	9/15/2020 08:00:29	0.0	0.0
026	9/15/2020 08:01:29	0.0	0.0
027	9/15/2020 08:02:29	0.0	0.0
028	9/15/2020 08:03:29	0.0	0.0
029	9/15/2020 08:04:29	0.0	0.0
030	9/15/2020 08:05:29	0.0	0.0
031	9/15/2020 08:06:29	0.0	0.0
032	9/15/2020 08:07:29	0.0	0.0
033	9/15/2020 08:08:29	0.0	0.0
034	9/15/2020 08:09:29	0.0	0.0
035	9/15/2020 08:10:29	0.0	0.0
036	9/15/2020 08:11:29	0.0	0.0
037	9/15/2020 08:12:29	0.0	0.0
038	9/15/2020 08:13:29	0.0	0.0
039	9/15/2020 08:14:29	0.0	0.0
040	9/15/2020 08:15:29	0.0	0.0
041	9/15/2020 08:16:29	0.0	0.0
042	9/15/2020 08:17:29	0.0	0.0
043	9/15/2020 08:18:29	0.0	0.0
044	9/15/2020 08:19:29	0.0	0.0
045	9/15/2020 08:20:29	0.0	0.0
046	9/15/2020 08:21:29	0.0	0.0
047	9/15/2020 08:22:29	0.0	0.0
048	9/15/2020 08:23:29	0.0	0.0
049	9/15/2020 08:24:29	0.0	0.0
050	9/15/2020 08:25:29	0.0	0.0
051	9/15/2020 08:26:29	0.0	0.0
052	9/15/2020 08:27:29	0.0	0.0
053	9/15/2020 08:28:29	0.0	0.0
054	9/15/2020 08:29:29	0.0	0.0
055	9/15/2020 08:30:29	0.0	0.0

056	9/15/2020 08:31:29	0.0	0.0
057	9/15/2020 08:32:29	0.0	0.0
058	9/15/2020 08:33:29	0.0	0.0
059	9/15/2020 08:34:29	0.0	0.1
060	9/15/2020 08:35:29	0.0	0.1
061	9/15/2020 08:36:29	0.0	0.1
062	9/15/2020 08:37:29	0.0	0.1
063	9/15/2020 08:38:29	0.0	0.1
064	9/15/2020 08:39:29	0.0	0.1
065	9/15/2020 08:40:29	0.0	0.1
066	9/15/2020 08:41:29	0.0	0.1
067	9/15/2020 08:42:29	0.0	0.1
068	9/15/2020 08:43:29	0.0	0.1
069	9/15/2020 08:44:29	0.0	0.1
070	9/15/2020 08:45:29	0.0	0.1
071	9/15/2020 08:46:29	0.0	0.1
072	9/15/2020 08:47:29	0.0	0.1
073	9/15/2020 08:48:29	0.0	0.1
074	9/15/2020 08:49:29	0.0	0.1
075	9/15/2020 08:50:29	0.0	0.1
076	9/15/2020 08:51:29	0.0	0.1
077	9/15/2020 08:52:29	0.0	0.1
078	9/15/2020 08:53:29	0.0	0.1
079	9/15/2020 08:54:29	0.0	0.1
080	9/15/2020 08:55:29	0.0	0.1
081	9/15/2020 08:56:29	0.0	0.1
082	9/15/2020 08:57:29	0.0	0.1
083	9/15/2020 08:58:29	0.0	0.1
084	9/15/2020 08:59:29	0.0	0.1
085	9/15/2020 09:00:29	0.0	0.1
086	9/15/2020 09:01:29	0.0	0.1
087	9/15/2020 09:02:29	0.0	0.1
088	9/15/2020 09:03:29	0.0	0.1
089	9/15/2020 09:04:29	0.0	0.1
090	9/15/2020 09:05:29	0.0	0.1
091	9/15/2020 09:06:29	0.0	0.1
092	9/15/2020 09:07:29	0.0	0.1
093	9/15/2020 09:08:29	0.0	0.1
094	9/15/2020 09:09:29	0.0	0.1
095	9/15/2020 09:10:29	0.0	0.1
096	9/15/2020 09:11:29	0.0	0.1
097	9/15/2020 09:12:29	0.0	0.1
098	9/15/2020 09:13:29	0.0	0.1
099	9/15/2020 09:14:29	0.0	0.1
100	9/15/2020 09:15:29	0.0	0.1
101	9/15/2020 09:16:29	0.0	0.1
102	9/15/2020 09:17:29	0.0	0.1
103	9/15/2020 09:18:29	0.0	0.1
104	9/15/2020 09:19:29	0.0	0.1
105	9/15/2020 09:20:29	0.0	0.1

106	9/15/2020 09:21:29	0.0	0.1
107	9/15/2020 09:22:29	0.0	0.1
108	9/15/2020 09:23:29	0.0	0.1
109	9/15/2020 09:24:29	0.0	0.1
110	9/15/2020 09:25:29	0.0	0.1
111	9/15/2020 09:26:29	0.0	0.1
112	9/15/2020 09:27:29	0.0	0.1
113	9/15/2020 09:28:29	0.0	0.1
114	9/15/2020 09:29:29	0.0	0.1
115	9/15/2020 09:30:29	0.0	0.1
116	9/15/2020 09:31:29	0.0	0.1
117	9/15/2020 09:32:29	0.0	0.1
118	9/15/2020 09:33:29	0.0	0.1
119	9/15/2020 09:34:29	0.0	0.1
120	9/15/2020 09:35:29	0.0	0.1
121	9/15/2020 09:36:29	0.0	0.1
122	9/15/2020 09:37:29	0.0	0.1
123	9/15/2020 09:38:29	0.0	0.1
124	9/15/2020 09:39:29	0.0	0.1
125	9/15/2020 09:40:29	0.0	0.1
126	9/15/2020 09:41:29	0.0	0.1
127	9/15/2020 09:42:29	0.0	0.1
128	9/15/2020 09:43:29	0.0	0.1
129	9/15/2020 09:44:29	0.0	0.1
130	9/15/2020 09:45:29	0.0	0.1
131	9/15/2020 09:46:29	0.0	0.1
132	9/15/2020 09:47:29	0.0	0.1
133	9/15/2020 09:48:29	0.0	0.1
134	9/15/2020 09:49:29	0.0	0.1
135	9/15/2020 09:50:29	0.0	0.1
136	9/15/2020 09:51:29	0.0	0.2
137	9/15/2020 09:52:29	0.0	0.2
138	9/15/2020 09:53:29	0.0	0.2
139	9/15/2020 09:54:29	0.0	0.2
140	9/15/2020 09:55:29	0.0	0.2
141	9/15/2020 09:56:29	0.0	0.2
142	9/15/2020 09:57:29	0.0	0.2
143	9/15/2020 09:58:29	0.0	0.2
144	9/15/2020 09:59:29	0.0	0.2
145	9/15/2020 10:00:29	0.0	0.2
146	9/15/2020 10:01:29	0.0	0.2
147	9/15/2020 10:02:29	0.0	0.2
148	9/15/2020 10:03:29	0.0	0.2
149	9/15/2020 10:04:29	0.0	0.2
150	9/15/2020 10:05:29	0.0	0.2
151	9/15/2020 10:06:29	0.0	0.2
152	9/15/2020 10:07:29	0.0	0.2
153	9/15/2020 10:08:29	0.0	0.2
154	9/15/2020 10:09:29	0.0	0.2
155	9/15/2020 10:10:29	0.0	0.2

156	9/15/2020	10:11:29	0.0	0.2
157	9/15/2020	10:12:29	0.0	0.2
158	9/15/2020	10:13:29	0.0	0.2
159	9/15/2020	10:14:29	0.0	0.2
160	9/15/2020	10:15:29	0.0	0.2
161	9/15/2020	10:16:29	0.0	0.2
162	9/15/2020	10:17:29	0.0	0.2
163	9/15/2020	10:18:29	0.0	0.2
164	9/15/2020	10:19:29	0.0	0.2
165	9/15/2020	10:20:29	0.0	0.2
166	9/15/2020	10:21:29	0.0	0.2
167	9/15/2020	10:22:29	0.0	0.2
168	9/15/2020	10:23:29	0.0	0.2
169	9/15/2020	10:24:29	0.0	0.2
170	9/15/2020	10:25:29	0.0	0.2
171	9/15/2020	10:26:29	0.0	0.2
172	9/15/2020	10:27:29	0.0	0.2
173	9/15/2020	10:28:29	0.0	0.2
174	9/15/2020	10:29:29	0.0	0.2
175	9/15/2020	10:30:29	0.0	0.2
176	9/15/2020	10:31:29	0.0	0.2
177	9/15/2020	10:32:29	0.0	0.2
178	9/15/2020	10:33:29	0.0	0.2
179	9/15/2020	10:34:29	0.0	0.2
180	9/15/2020	10:35:29	0.0	0.2
181	9/15/2020	10:36:29	0.0	0.2
182	9/15/2020	10:37:29	0.0	0.2
183	9/15/2020	10:38:29	0.0	0.2
184	9/15/2020	10:39:29	0.0	0.2
185	9/15/2020	10:40:29	0.0	0.2
186	9/15/2020	10:41:29	0.0	0.2
187	9/15/2020	10:42:29	0.0	0.2
188	9/15/2020	10:43:29	0.0	0.2
189	9/15/2020	10:44:29	0.0	0.2
190	9/15/2020	10:45:29	0.0	0.2
191	9/15/2020	10:46:29	0.0	0.2
192	9/15/2020	10:47:29	0.0	0.2
193	9/15/2020	10:48:29	0.0	0.2
194	9/15/2020	10:49:29	0.0	0.2
195	9/15/2020	10:50:29	0.0	0.2
196	9/15/2020	10:51:29	0.0	0.2
197	9/15/2020	10:52:29	0.0	0.2
198	9/15/2020	10:53:29	0.0	0.2
199	9/15/2020	10:54:29	0.0	0.2
200	9/15/2020	10:55:29	0.0	0.2
201	9/15/2020	10:56:29	0.0	0.2
202	9/15/2020	10:57:29	0.0	0.2
203	9/15/2020	10:58:29	0.0	0.2
204	9/15/2020	10:59:29	0.0	0.2
205	9/15/2020	11:00:29	0.0	0.2

206	9/15/2020	11:01:29	0.0	0.2
207	9/15/2020	11:02:29	0.0	0.2
208	9/15/2020	11:03:29	0.0	0.2
209	9/15/2020	11:04:29	0.0	0.2
210	9/15/2020	11:05:29	0.1	0.2
211	9/15/2020	11:06:29	0.1	0.2
212	9/15/2020	11:07:29	0.1	0.2
213	9/15/2020	11:08:29	0.1	0.2
214	9/15/2020	11:09:29	0.1	0.2
215	9/15/2020	11:10:29	0.1	0.2
216	9/15/2020	11:11:29	0.1	0.2
217	9/15/2020	11:12:29	0.1	0.2
218	9/15/2020	11:13:29	0.1	0.2
219	9/15/2020	11:14:29	0.1	0.2
220	9/15/2020	11:15:29	0.1	0.2
221	9/15/2020	11:16:29	0.1	0.2
222	9/15/2020	11:17:29	0.1	0.2
223	9/15/2020	11:18:29	0.1	0.2
224	9/15/2020	11:19:29	0.1	0.2
225	9/15/2020	11:20:29	0.1	0.2
226	9/15/2020	11:21:29	0.1	0.2
227	9/15/2020	11:22:29	0.1	0.2
228	9/15/2020	11:23:29	0.1	0.2
229	9/15/2020	11:24:29	0.1	0.2
230	9/15/2020	11:25:29	0.1	0.2
231	9/15/2020	11:26:29	0.1	0.2
232	9/15/2020	11:27:29	0.1	0.2
233	9/15/2020	11:28:29	0.1	0.2
234	9/15/2020	11:29:29	0.1	0.2
235	9/15/2020	11:30:29	0.1	0.2
236	9/15/2020	11:31:29	0.1	0.2
237	9/15/2020	11:32:29	0.1	0.2
238	9/15/2020	11:33:29	0.1	0.2
239	9/15/2020	11:34:29	0.1	0.2
240	9/15/2020	11:35:29	0.1	0.2
241	9/15/2020	11:36:29	0.1	0.2
242	9/15/2020	11:37:29	0.1	0.2
243	9/15/2020	11:38:29	0.1	0.2
244	9/15/2020	11:39:29	0.1	0.2
245	9/15/2020	11:40:29	0.1	0.2
246	9/15/2020	11:41:29	0.1	0.2
247	9/15/2020	11:42:29	0.1	0.2
248	9/15/2020	11:43:29	0.1	0.2
249	9/15/2020	11:44:29	0.1	0.2
250	9/15/2020	11:45:29	0.1	0.2
251	9/15/2020	11:46:29	0.1	0.2
252	9/15/2020	11:47:29	0.1	0.2
253	9/15/2020	11:48:29	0.1	0.2
254	9/15/2020	11:49:29	0.1	0.2
255	9/15/2020	11:50:29	0.1	0.2

256	9/15/2020	11:51:29	0.1	0.2
257	9/15/2020	11:52:29	0.1	0.3
258	9/15/2020	11:53:29	0.1	0.3
259	9/15/2020	11:54:29	0.1	0.3
260	9/15/2020	11:55:29	0.1	0.3
261	9/15/2020	11:56:29	0.1	0.3
262	9/15/2020	11:57:29	0.1	0.3
263	9/15/2020	11:58:29	0.1	0.3
264	9/15/2020	11:59:29	0.1	0.2
265	9/15/2020	12:00:29	0.1	0.2
266	9/15/2020	12:01:29	0.1	0.2
267	9/15/2020	12:02:29	0.1	0.2
268	9/15/2020	12:03:29	0.1	0.3
269	9/15/2020	12:04:29	0.1	0.3
270	9/15/2020	12:05:29	0.1	0.3
271	9/15/2020	12:06:29	0.1	0.3
272	9/15/2020	12:07:29	0.1	0.3
273	9/15/2020	12:08:29	0.1	0.3
274	9/15/2020	12:09:29	0.1	0.3
275	9/15/2020	12:10:29	0.1	0.3
276	9/15/2020	12:11:29	0.1	0.3
277	9/15/2020	12:12:29	0.1	0.3
278	9/15/2020	12:13:29	0.1	0.3
279	9/15/2020	12:14:29	0.1	0.3
280	9/15/2020	12:15:29	0.1	0.3
281	9/15/2020	12:16:29	0.1	0.3
282	9/15/2020	12:17:29	0.1	0.3
283	9/15/2020	12:18:29	0.1	0.3
284	9/15/2020	12:19:29	0.1	0.3
285	9/15/2020	12:20:29	0.1	0.3
286	9/15/2020	12:21:29	0.1	0.3
287	9/15/2020	12:22:29	0.1	0.3
288	9/15/2020	12:23:29	0.1	0.3
289	9/15/2020	12:24:29	0.1	0.3
290	9/15/2020	12:25:29	0.1	0.3
291	9/15/2020	12:26:29	0.1	0.3
292	9/15/2020	12:27:29	0.1	0.3
293	9/15/2020	12:28:29	0.1	0.3
294	9/15/2020	12:29:29	0.1	0.3
295	9/15/2020	12:30:29	0.1	0.3
296	9/15/2020	12:31:29	0.1	0.3
297	9/15/2020	12:32:29	0.1	0.3
298	9/15/2020	12:33:29	0.1	0.3
299	9/15/2020	12:34:29	0.1	0.3
300	9/15/2020	12:35:29	0.1	0.3
301	9/15/2020	12:36:29	0.1	0.3
302	9/15/2020	12:37:29	0.1	0.3
303	9/15/2020	12:38:29	0.1	0.3
304	9/15/2020	12:39:29	0.1	0.3
305	9/15/2020	12:40:29	0.1	0.3

306	9/15/2020 12:41:29	0.1	0.3
307	9/15/2020 12:42:29	0.1	0.3
308	9/15/2020 12:43:29	0.1	0.3
309	9/15/2020 12:44:29	0.1	0.3
310	9/15/2020 12:45:29	0.1	0.3
311	9/15/2020 12:46:29	0.1	0.3
312	9/15/2020 12:47:29	0.1	0.3
313	9/15/2020 12:48:29	0.1	0.3
314	9/15/2020 12:49:29	0.1	0.3
315	9/15/2020 12:50:29	0.1	0.3
316	9/15/2020 12:51:29	0.1	0.3
317	9/15/2020 12:52:29	0.1	0.3
318	9/15/2020 12:53:29	0.1	0.3
319	9/15/2020 12:54:29	0.1	0.3
320	9/15/2020 12:55:29	0.1	0.3
321	9/15/2020 12:56:29	0.1	0.3
322	9/15/2020 12:57:29	0.1	0.3
323	9/15/2020 12:58:29	0.1	0.3
324	9/15/2020 12:59:29	0.1	0.3
325	9/15/2020 13:00:29	0.1	0.3
326	9/15/2020 13:01:29	0.1	0.3
327	9/15/2020 13:02:29	0.1	0.3
328	9/15/2020 13:03:29	0.1	0.3
329	9/15/2020 13:04:29	0.1	0.3
330	9/15/2020 13:05:29	0.1	0.3
331	9/15/2020 13:06:29	0.1	0.3
332	9/15/2020 13:07:29	0.1	0.3
333	9/15/2020 13:08:29	0.1	0.3
334	9/15/2020 13:09:29	0.1	0.3
335	9/15/2020 13:10:29	0.1	0.3
336	9/15/2020 13:11:29	0.1	0.3
337	9/15/2020 13:12:29	0.1	0.3
338	9/15/2020 13:13:29	0.1	0.3
339	9/15/2020 13:14:29	0.1	0.3
340	9/15/2020 13:15:29	0.1	0.3
341	9/15/2020 13:16:29	0.1	0.3
342	9/15/2020 13:17:29	0.1	0.3
343	9/15/2020 13:18:29	0.1	0.3
344	9/15/2020 13:19:29	0.1	0.3
345	9/15/2020 13:20:29	0.1	0.3
346	9/15/2020 13:21:29	0.1	0.3
347	9/15/2020 13:22:29	0.1	0.3
348	9/15/2020 13:23:29	0.1	0.3
349	9/15/2020 13:24:29	0.1	0.3
350	9/15/2020 13:25:29	0.1	0.3
351	9/15/2020 13:26:29	0.1	0.3
352	9/15/2020 13:27:29	0.1	0.3
353	9/15/2020 13:28:29	0.1	0.3
354	9/15/2020 13:29:29	0.1	0.3
355	9/15/2020 13:30:29	0.1	0.3

356	9/15/2020	13:31:29	0.1	0.3
357	9/15/2020	13:32:29	0.1	0.3
358	9/15/2020	13:33:29	0.1	0.3
359	9/15/2020	13:34:29	0.1	0.3
360	9/15/2020	13:35:29	0.1	0.3
361	9/15/2020	13:36:29	0.1	0.3
362	9/15/2020	13:37:29	0.1	0.3
363	9/15/2020	13:38:29	0.1	0.3
364	9/15/2020	13:39:29	0.1	0.3
365	9/15/2020	13:40:29	0.1	0.3
366	9/15/2020	13:41:29	0.1	0.3
367	9/15/2020	13:42:29	0.1	0.3
368	9/15/2020	13:43:29	0.1	0.3
369	9/15/2020	13:44:29	0.1	0.3
370	9/15/2020	13:45:29	0.1	0.3
371	9/15/2020	13:46:29	0.1	0.3
372	9/15/2020	13:47:29	0.1	0.3
373	9/15/2020	13:48:29	0.1	0.3
374	9/15/2020	13:49:29	0.1	0.3
375	9/15/2020	13:50:29	0.1	0.3
376	9/15/2020	13:51:29	0.1	0.3
377	9/15/2020	13:52:29	0.1	0.3
378	9/15/2020	13:53:29	0.1	0.3
379	9/15/2020	13:54:29	0.1	0.3
380	9/15/2020	13:55:29	0.1	0.3
381	9/15/2020	13:56:29	0.1	0.3
382	9/15/2020	13:57:29	0.1	0.3
383	9/15/2020	13:58:29	0.1	0.3
384	9/15/2020	13:59:29	0.1	0.3
385	9/15/2020	14:00:29	0.1	0.3
386	9/15/2020	14:01:29	0.1	0.3
387	9/15/2020	14:02:29	0.1	0.3
388	9/15/2020	14:03:29	0.2	0.3
389	9/15/2020	14:04:29	0.2	0.3
390	9/15/2020	14:05:29	0.2	0.3
391	9/15/2020	14:06:29	0.2	0.3
392	9/15/2020	14:07:29	0.2	0.3
393	9/15/2020	14:08:29	0.2	0.3
394	9/15/2020	14:09:29	0.2	0.3
395	9/15/2020	14:10:29	0.2	0.3
396	9/15/2020	14:11:29	0.2	0.3
397	9/15/2020	14:12:29	0.2	0.3
398	9/15/2020	14:13:29	0.2	0.3
399	9/15/2020	14:14:29	0.2	0.3
400	9/15/2020	14:15:29	0.2	0.3
401	9/15/2020	14:16:29	0.2	0.2
402	9/15/2020	14:17:29	0.2	0.2
403	9/15/2020	14:18:29	0.2	0.2
404	9/15/2020	14:19:29	0.2	0.2
405	9/15/2020	14:20:29	0.2	0.2

406	9/15/2020	14:21:29	0.2	0.2
407	9/15/2020	14:22:29	0.2	0.2
408	9/15/2020	14:23:29	0.2	0.2
409	9/15/2020	14:24:29	0.2	0.2
410	9/15/2020	14:25:29	0.2	0.2
411	9/15/2020	14:26:29	0.2	0.2
412	9/15/2020	14:27:29	0.2	0.2
413	9/15/2020	14:28:29	0.2	0.3
414	9/15/2020	14:29:29	0.2	0.3
415	9/15/2020	14:30:29	0.2	0.3
416	9/15/2020	14:31:29	0.2	0.3
417	9/15/2020	14:32:29	0.2	0.3
418	9/15/2020	14:33:29	0.2	0.3
419	9/15/2020	14:34:29	0.2	0.3
420	9/15/2020	14:35:29	0.2	0.3
421	9/15/2020	14:36:29	0.2	0.3
422	9/15/2020	14:37:29	0.2	0.3
423	9/15/2020	14:38:29	0.2	0.3
424	9/15/2020	14:39:29	0.2	0.3
425	9/15/2020	14:40:29	0.2	0.3
426	9/15/2020	14:41:29	0.2	0.3
427	9/15/2020	14:42:29	0.2	0.3
428	9/15/2020	14:43:29	0.2	0.2
429	9/15/2020	14:44:29	0.2	0.2
430	9/15/2020	14:45:29	0.2	0.2
431	9/15/2020	14:46:29	0.2	0.2
432	9/15/2020	14:47:29	0.2	0.2
433	9/15/2020	14:48:29	0.2	0.2
434	9/15/2020	14:49:29	0.2	0.2
435	9/15/2020	14:50:29	0.2	0.2
436	9/15/2020	14:51:29	0.2	0.2
437	9/15/2020	14:52:29	0.2	0.2
438	9/15/2020	14:53:29	0.2	0.2
439	9/15/2020	14:54:29	0.2	0.2
440	9/15/2020	14:55:29	0.2	0.2
441	9/15/2020	14:56:29	0.2	0.2
442	9/15/2020	14:57:29	0.2	0.2
443	9/15/2020	14:58:29	0.2	0.2
444	9/15/2020	14:59:29	0.2	0.2
445	9/15/2020	15:00:29	0.2	0.2

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20/09/16 06:28

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-925167

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 9/16/2020 06:28:29

End 9/16/2020 14:25:45

Sample Period(s) 60

Number of Records 477

Sensor PID(ppm)

Sensor SN S023030043V4

Measure Type Avg; Max; Real

Span 100.0

Span 2 1000.0

Low Alarm 50.0

High Alarm 100.0

Over Alarm 15000.0

STEL Alarm 100.0

TWA Alarm 50.0

Measurement Gas Isobutylene

Calibration Time 8/31/2020 14:13

Peak 0.3

Min 0.0

Average 0.1

Datalog

	PID(ppm)	PID(ppm)	PID(ppm)
Index	Date/Time (Avg)	(Max)	(Real)
001	9/16/2020 06:29:29	0.0	0.0
002	9/16/2020 06:30:29	0.0	0.0
003	9/16/2020 06:31:29	0.0	0.0
004	9/16/2020 06:32:29	0.0	0.0
005	9/16/2020 06:33:29	0.0	0.0
006	9/16/2020 06:34:29	0.0	0.0
007	9/16/2020 06:35:29	0.0	0.0
008	9/16/2020 06:36:29	0.0	0.0

009	9/16/2020 06:37:29	0.0	0.0	0.0
010	9/16/2020 06:38:29	0.0	0.0	0.0
011	9/16/2020 06:39:29	0.0	0.0	0.0
012	9/16/2020 06:40:29	0.0	0.0	0.0
013	9/16/2020 06:41:29	0.0	0.0	0.0
014	9/16/2020 06:42:29	0.0	0.0	0.0
015	9/16/2020 06:43:29	0.0	0.0	0.0
016	9/16/2020 06:44:29	0.0	0.0	0.0
017	9/16/2020 06:45:29	0.0	0.0	0.0
018	9/16/2020 06:46:29	0.0	0.0	0.0
019	9/16/2020 06:47:29	0.0	0.0	0.0
020	9/16/2020 06:48:29	0.0	0.0	0.0
021	9/16/2020 06:49:29	0.0	0.0	0.0
022	9/16/2020 06:50:29	0.0	0.0	0.0
023	9/16/2020 06:51:29	0.0	0.0	0.0
024	9/16/2020 06:52:29	0.0	0.0	0.0
025	9/16/2020 06:53:29	0.0	0.0	0.0
026	9/16/2020 06:54:29	0.0	0.0	0.0
027	9/16/2020 06:55:29	0.0	0.0	0.0
028	9/16/2020 06:56:29	0.0	0.0	0.0
029	9/16/2020 06:57:29	0.0	0.0	0.0
030	9/16/2020 06:58:29	0.0	0.0	0.0
031	9/16/2020 06:59:29	0.0	0.0	0.0
032	9/16/2020 07:00:29	0.0	0.0	0.0
033	9/16/2020 07:01:29	0.0	0.0	0.0
034	9/16/2020 07:02:29	0.0	0.0	0.0
035	9/16/2020 07:03:29	0.0	0.0	0.0
036	9/16/2020 07:04:29	0.0	0.0	0.0
037	9/16/2020 07:05:29	0.0	0.0	0.0
038	9/16/2020 07:06:29	0.0	0.0	0.0
039	9/16/2020 07:07:29	0.0	0.0	0.0
040	9/16/2020 07:08:29	0.0	0.0	0.0
041	9/16/2020 07:09:29	0.0	0.0	0.0
042	9/16/2020 07:10:29	0.0	0.0	0.0
043	9/16/2020 07:11:29	0.0	0.0	0.0
044	9/16/2020 07:12:29	0.0	0.0	0.0
045	9/16/2020 07:13:29	0.0	0.0	0.0
046	9/16/2020 07:14:29	0.0	0.0	0.0
047	9/16/2020 07:15:29	0.0	0.0	0.0
048	9/16/2020 07:16:29	0.0	0.0	0.0
049	9/16/2020 07:17:29	0.0	0.0	0.0
050	9/16/2020 07:18:29	0.0	0.0	0.0
051	9/16/2020 07:19:29	0.0	0.0	0.0
052	9/16/2020 07:20:29	0.0	0.0	0.0
053	9/16/2020 07:21:29	0.0	0.0	0.0
054	9/16/2020 07:22:29	0.0	0.0	0.0
055	9/16/2020 07:23:29	0.0	0.0	0.0
056	9/16/2020 07:24:29	0.0	0.0	0.0
057	9/16/2020 07:25:29	0.0	0.0	0.0
058	9/16/2020 07:26:29	0.0	0.0	0.0

059	9/16/2020 07:27:29	0.0	0.0	0.0
060	9/16/2020 07:28:29	0.0	0.0	0.0
061	9/16/2020 07:29:29	0.0	0.0	0.0
062	9/16/2020 07:30:29	0.0	0.0	0.0
063	9/16/2020 07:31:29	0.0	0.0	0.0
064	9/16/2020 07:32:29	0.0	0.0	0.0
065	9/16/2020 07:33:29	0.0	0.0	0.0
066	9/16/2020 07:34:29	0.0	0.0	0.0
067	9/16/2020 07:35:29	0.0	0.0	0.0
068	9/16/2020 07:36:29	0.0	0.0	0.0
069	9/16/2020 07:37:29	0.0	0.0	0.0
070	9/16/2020 07:38:29	0.0	0.0	0.0
071	9/16/2020 07:39:29	0.0	0.0	0.0
072	9/16/2020 07:40:29	0.0	0.0	0.0
073	9/16/2020 07:41:29	0.0	0.0	0.0
074	9/16/2020 07:42:29	0.0	0.0	0.0
075	9/16/2020 07:43:29	0.0	0.0	0.0
076	9/16/2020 07:44:29	0.0	0.0	0.0
077	9/16/2020 07:45:29	0.0	0.0	0.0
078	9/16/2020 07:46:29	0.0	0.0	0.0
079	9/16/2020 07:47:29	0.0	0.0	0.0
080	9/16/2020 07:48:29	0.0	0.0	0.0
081	9/16/2020 07:49:29	0.0	0.1	0.1
082	9/16/2020 07:50:29	0.0	0.1	0.0
083	9/16/2020 07:51:29	0.0	0.1	0.1
084	9/16/2020 07:52:29	0.0	0.1	0.0
085	9/16/2020 07:53:29	0.1	0.1	0.1
086	9/16/2020 07:54:29	0.1	0.1	0.1
087	9/16/2020 07:55:29	0.1	0.1	0.1
088	9/16/2020 07:56:29	0.1	0.1	0.1
089	9/16/2020 07:57:29	0.1	0.1	0.1
090	9/16/2020 07:58:29	0.1	0.1	0.1
091	9/16/2020 07:59:29	0.1	0.1	0.1
092	9/16/2020 08:00:29	0.1	0.1	0.1
093	9/16/2020 08:01:29	0.1	0.1	0.1
094	9/16/2020 08:02:29	0.1	0.1	0.1
095	9/16/2020 08:03:29	0.1	0.1	0.1
096	9/16/2020 08:04:29	0.1	0.1	0.1
097	9/16/2020 08:05:29	0.1	0.1	0.1
098	9/16/2020 08:06:29	0.1	0.1	0.1
099	9/16/2020 08:07:29	0.1	0.1	0.1
100	9/16/2020 08:08:29	0.1	0.1	0.1
101	9/16/2020 08:09:29	0.1	0.1	0.1
102	9/16/2020 08:10:29	0.1	0.1	0.1
103	9/16/2020 08:11:29	0.1	0.1	0.1
104	9/16/2020 08:12:29	0.1	0.1	0.1
105	9/16/2020 08:13:29	0.1	0.1	0.1
106	9/16/2020 08:14:29	0.1	0.1	0.1
107	9/16/2020 08:15:29	0.1	0.1	0.1
108	9/16/2020 08:16:29	0.1	0.1	0.1

109	9/16/2020 08:17:29	0.1	0.1	0.1
110	9/16/2020 08:18:29	0.1	0.1	0.1
111	9/16/2020 08:19:29	0.1	0.1	0.1
112	9/16/2020 08:20:29	0.1	0.1	0.1
113	9/16/2020 08:21:29	0.1	0.1	0.1
114	9/16/2020 08:22:29	0.1	0.1	0.1
115	9/16/2020 08:23:29	0.1	0.1	0.1
116	9/16/2020 08:24:29	0.1	0.1	0.1
117	9/16/2020 08:25:29	0.1	0.1	0.1
118	9/16/2020 08:26:29	0.1	0.1	0.1
119	9/16/2020 08:27:29	0.1	0.1	0.1
120	9/16/2020 08:28:29	0.1	0.1	0.1
121	9/16/2020 08:29:29	0.1	0.1	0.1
122	9/16/2020 08:30:29	0.1	0.1	0.1
123	9/16/2020 08:31:29	0.1	0.1	0.1
124	9/16/2020 08:32:29	0.1	0.1	0.1
125	9/16/2020 08:33:29	0.1	0.1	0.1
126	9/16/2020 08:34:29	0.1	0.1	0.1
127	9/16/2020 08:35:29	0.1	0.1	0.1
128	9/16/2020 08:36:29	0.1	0.1	0.1
129	9/16/2020 08:37:29	0.1	0.1	0.1
130	9/16/2020 08:38:29	0.1	0.1	0.1
131	9/16/2020 08:39:29	0.1	0.1	0.1
132	9/16/2020 08:40:29	0.1	0.1	0.1
133	9/16/2020 08:41:29	0.1	0.1	0.1
134	9/16/2020 08:42:29	0.1	0.1	0.1
135	9/16/2020 08:43:29	0.1	0.1	0.1
136	9/16/2020 08:44:29	0.1	0.2	0.1
137	9/16/2020 08:45:29	0.1	0.1	0.1
138	9/16/2020 08:46:29	0.1	0.1	0.1
139	9/16/2020 08:47:29	0.1	0.1	0.1
140	9/16/2020 08:48:29	0.1	0.1	0.1
141	9/16/2020 08:49:29	0.1	0.1	0.1
142	9/16/2020 08:50:29	0.1	0.1	0.1
143	9/16/2020 08:51:29	0.1	0.1	0.1
144	9/16/2020 08:52:29	0.1	0.2	0.1
145	9/16/2020 08:53:29	0.1	0.1	0.1
146	9/16/2020 08:54:29	0.1	0.1	0.1
147	9/16/2020 08:55:29	0.1	0.1	0.1
148	9/16/2020 08:56:29	0.1	0.1	0.1
149	9/16/2020 08:57:29	0.1	0.1	0.1
150	9/16/2020 08:58:29	0.1	0.1	0.1
151	9/16/2020 08:59:29	0.1	0.1	0.1
152	9/16/2020 09:00:29	0.1	0.1	0.1
153	9/16/2020 09:01:29	0.1	0.1	0.1
154	9/16/2020 09:02:29	0.1	0.1	0.1
155	9/16/2020 09:03:29	0.1	0.1	0.1
156	9/16/2020 09:04:29	0.1	0.1	0.1
157	9/16/2020 09:05:29	0.1	0.1	0.1
158	9/16/2020 09:06:29	0.1	0.1	0.1

159	9/16/2020 09:07:29	0.1	0.1	0.1
160	9/16/2020 09:08:29	0.1	0.1	0.1
161	9/16/2020 09:09:29	0.1	0.1	0.1
162	9/16/2020 09:10:29	0.1	0.1	0.1
163	9/16/2020 09:11:29	0.1	0.1	0.1
164	9/16/2020 09:12:29	0.1	0.1	0.1
165	9/16/2020 09:13:29	0.1	0.1	0.1
166	9/16/2020 09:14:29	0.1	0.1	0.1
167	9/16/2020 09:15:29	0.1	0.1	0.1
168	9/16/2020 09:16:29	0.1	0.1	0.1
169	9/16/2020 09:17:29	0.1	0.1	0.1
170	9/16/2020 09:18:29	0.1	0.1	0.1
171	9/16/2020 09:19:29	0.1	0.1	0.1
172	9/16/2020 09:20:29	0.1	0.1	0.1
173	9/16/2020 09:21:29	0.1	0.1	0.1
174	9/16/2020 09:22:29	0.1	0.1	0.1
175	9/16/2020 09:23:29	0.2	0.2	0.2
176	9/16/2020 09:24:29	0.2	0.2	0.1
177	9/16/2020 09:25:29	0.2	0.4	0.3
178	9/16/2020 09:26:29	0.2	0.3	0.2
179	9/16/2020 09:27:29	0.2	0.2	0.2
180	9/16/2020 09:28:29	0.2	0.2	0.2
181	9/16/2020 09:29:29	0.1	0.2	0.1
182	9/16/2020 09:30:29	0.1	0.1	0.1
183	9/16/2020 09:31:29	0.1	0.1	0.1
184	9/16/2020 09:32:29	0.1	0.1	0.1
185	9/16/2020 09:33:29	0.1	0.1	0.1
186	9/16/2020 09:34:29	0.1	0.1	0.1
187	9/16/2020 09:35:29	0.1	0.1	0.1
188	9/16/2020 09:36:29	0.1	0.1	0.1
189	9/16/2020 09:37:29	0.1	0.1	0.1
190	9/16/2020 09:38:29	0.1	0.1	0.1
191	9/16/2020 09:39:29	0.1	0.1	0.1
192	9/16/2020 09:40:29	0.1	0.1	0.1
193	9/16/2020 09:41:29	0.1	0.2	0.1
194	9/16/2020 09:42:29	0.1	0.1	0.1
195	9/16/2020 09:43:29	0.1	0.1	0.1
196	9/16/2020 09:44:29	0.1	0.1	0.1
197	9/16/2020 09:45:29	0.1	0.1	0.1
198	9/16/2020 09:46:29	0.1	0.1	0.1
199	9/16/2020 09:47:29	0.1	0.1	0.1
200	9/16/2020 09:48:29	0.1	0.1	0.1
201	9/16/2020 09:49:29	0.1	0.1	0.1
202	9/16/2020 09:50:29	0.1	0.1	0.1
203	9/16/2020 09:51:29	0.1	0.2	0.2
204	9/16/2020 09:52:29	0.2	0.2	0.1
205	9/16/2020 09:53:29	0.1	0.2	0.1
206	9/16/2020 09:54:29	0.1	0.2	0.2
207	9/16/2020 09:55:29	0.1	0.2	0.1
208	9/16/2020 09:56:29	0.2	0.2	0.2

209	9/16/2020 09:57:29	0.2	0.2	0.2
210	9/16/2020 09:58:29	0.2	0.2	0.2
211	9/16/2020 09:59:29	0.2	0.2	0.2
212	9/16/2020 10:00:29	0.2	0.2	0.2
213	9/16/2020 10:01:29	0.2	0.2	0.2
214	9/16/2020 10:02:29	0.2	0.2	0.2
215	9/16/2020 10:03:29	0.2	0.2	0.2
216	9/16/2020 10:04:29	0.2	0.2	0.2
217	9/16/2020 10:05:29	0.2	0.2	0.2
218	9/16/2020 10:06:29	0.2	0.2	0.2
219	9/16/2020 10:07:29	0.2	0.2	0.2
220	9/16/2020 10:08:29	0.2	0.2	0.2
221	9/16/2020 10:09:29	0.2	0.2	0.2
222	9/16/2020 10:10:29	0.2	0.2	0.2
223	9/16/2020 10:11:29	0.2	0.2	0.2
224	9/16/2020 10:12:29	0.2	0.2	0.2
225	9/16/2020 10:13:29	0.2	0.2	0.2
226	9/16/2020 10:14:29	0.2	0.2	0.2
227	9/16/2020 10:15:29	0.2	0.2	0.2
228	9/16/2020 10:16:29	0.2	0.2	0.2
229	9/16/2020 10:17:29	0.2	0.2	0.2
230	9/16/2020 10:18:29	0.2	0.2	0.2
231	9/16/2020 10:19:29	0.2	0.2	0.2
232	9/16/2020 10:20:29	0.2	0.2	0.2
233	9/16/2020 10:21:29	0.2	0.2	0.2
234	9/16/2020 10:22:29	0.2	0.2	0.2
235	9/16/2020 10:23:29	0.2	0.2	0.2
236	9/16/2020 10:24:29	0.2	0.2	0.2
237	9/16/2020 10:25:29	0.2	0.2	0.2
238	9/16/2020 10:26:29	0.2	0.2	0.2
239	9/16/2020 10:27:29	0.2	0.2	0.2
240	9/16/2020 10:28:29	0.2	0.2	0.2
241	9/16/2020 10:29:29	0.2	0.2	0.2
242	9/16/2020 10:30:29	0.2	0.2	0.2
243	9/16/2020 10:31:29	0.2	0.2	0.2
244	9/16/2020 10:32:29	0.2	0.2	0.2
245	9/16/2020 10:33:29	0.2	0.2	0.2
246	9/16/2020 10:34:29	0.2	0.2	0.2
247	9/16/2020 10:35:29	0.2	0.2	0.2
248	9/16/2020 10:36:29	0.2	0.2	0.2
249	9/16/2020 10:37:29	0.2	0.2	0.2
250	9/16/2020 10:38:29	0.2	0.2	0.2
251	9/16/2020 10:39:29	0.2	0.2	0.2
252	9/16/2020 10:40:29	0.2	0.2	0.2
253	9/16/2020 10:41:29	0.2	0.2	0.2
254	9/16/2020 10:42:29	0.2	0.2	0.2
255	9/16/2020 10:43:29	0.2	0.2	0.2
256	9/16/2020 10:44:29	0.2	0.2	0.2
257	9/16/2020 10:45:29	0.2	0.2	0.2
258	9/16/2020 10:46:29	0.2	0.2	0.2

259	9/16/2020 10:47:29	0.2	0.2	0.2
260	9/16/2020 10:48:29	0.2	0.2	0.2
261	9/16/2020 10:49:29	0.2	0.2	0.2
262	9/16/2020 10:50:29	0.2	0.2	0.2
263	9/16/2020 10:51:29	0.2	0.2	0.2
264	9/16/2020 10:52:29	0.2	0.2	0.2
265	9/16/2020 10:53:29	0.2	0.2	0.2
266	9/16/2020 10:54:29	0.2	0.2	0.2
267	9/16/2020 10:55:29	0.2	0.2	0.2
268	9/16/2020 10:56:29	0.2	0.2	0.2
269	9/16/2020 10:57:29	0.2	0.2	0.2
270	9/16/2020 10:58:29	0.2	0.2	0.2
271	9/16/2020 10:59:29	0.2	0.2	0.2
272	9/16/2020 11:00:29	0.2	0.2	0.2
273	9/16/2020 11:01:29	0.2	0.2	0.2
274	9/16/2020 11:02:29	0.2	0.2	0.2
275	9/16/2020 11:03:29	0.2	0.2	0.2
276	9/16/2020 11:04:29	0.2	0.2	0.2
277	9/16/2020 11:05:29	0.2	0.2	0.2
278	9/16/2020 11:06:29	0.2	0.2	0.2
279	9/16/2020 11:07:29	0.2	0.2	0.2
280	9/16/2020 11:08:29	0.2	0.2	0.2
281	9/16/2020 11:09:29	0.2	0.2	0.2
282	9/16/2020 11:10:29	0.2	0.2	0.2
283	9/16/2020 11:11:29	0.2	0.2	0.2
284	9/16/2020 11:12:29	0.2	0.2	0.2
285	9/16/2020 11:13:29	0.2	0.2	0.2
286	9/16/2020 11:14:29	0.2	0.2	0.2
287	9/16/2020 11:15:29	0.2	0.2	0.2
288	9/16/2020 11:16:29	0.2	0.2	0.2
289	9/16/2020 11:17:29	0.2	0.2	0.2
290	9/16/2020 11:18:29	0.2	0.2	0.2
291	9/16/2020 11:19:29	0.2	0.2	0.2
292	9/16/2020 11:20:29	0.2	0.2	0.2
293	9/16/2020 11:21:29	0.2	0.2	0.2
294	9/16/2020 11:22:29	0.2	0.2	0.2
295	9/16/2020 11:23:29	0.2	0.2	0.2
296	9/16/2020 11:24:29	0.2	0.2	0.2
297	9/16/2020 11:25:29	0.2	0.2	0.2
298	9/16/2020 11:26:29	0.2	0.2	0.2
299	9/16/2020 11:27:29	0.2	0.2	0.2
300	9/16/2020 11:28:29	0.2	0.2	0.2
301	9/16/2020 11:29:29	0.2	0.2	0.2
302	9/16/2020 11:30:29	0.2	0.2	0.2
303	9/16/2020 11:31:29	0.2	0.2	0.2
304	9/16/2020 11:32:29	0.2	0.2	0.2
305	9/16/2020 11:33:29	0.2	0.2	0.2
306	9/16/2020 11:34:29	0.2	0.2	0.2
307	9/16/2020 11:35:29	0.2	0.2	0.2
308	9/16/2020 11:36:29	0.2	0.2	0.2

309	9/16/2020	11:37:29	0.2	0.2	0.2
310	9/16/2020	11:38:29	0.2	0.2	0.2
311	9/16/2020	11:39:29	0.2	0.2	0.2
312	9/16/2020	11:40:29	0.2	0.2	0.2
313	9/16/2020	11:41:29	0.2	0.2	0.2
314	9/16/2020	11:42:29	0.2	0.2	0.2
315	9/16/2020	11:43:29	0.2	0.2	0.2
316	9/16/2020	11:44:29	0.2	0.2	0.2
317	9/16/2020	11:45:29	0.2	0.2	0.2
318	9/16/2020	11:46:29	0.2	0.2	0.2
319	9/16/2020	11:47:29	0.2	0.2	0.2
320	9/16/2020	11:48:29	0.2	0.2	0.2
321	9/16/2020	11:49:29	0.2	0.2	0.2
322	9/16/2020	11:50:29	0.2	0.2	0.2
323	9/16/2020	11:51:29	0.2	0.2	0.2
324	9/16/2020	11:52:29	0.2	0.2	0.2
325	9/16/2020	11:53:29	0.2	0.2	0.2
326	9/16/2020	11:54:29	0.2	0.2	0.2
327	9/16/2020	11:55:29	0.2	0.2	0.2
328	9/16/2020	11:56:29	0.2	0.2	0.2
329	9/16/2020	11:57:29	0.2	0.2	0.2
330	9/16/2020	11:58:29	0.2	0.2	0.2
331	9/16/2020	11:59:29	0.2	0.2	0.2
332	9/16/2020	12:00:29	0.2	0.2	0.2
333	9/16/2020	12:01:29	0.2	0.2	0.2
334	9/16/2020	12:02:29	0.2	0.2	0.2
335	9/16/2020	12:03:29	0.2	0.2	0.2
336	9/16/2020	12:04:29	0.2	0.2	0.2
337	9/16/2020	12:05:29	0.2	0.2	0.2
338	9/16/2020	12:06:29	0.2	0.2	0.2
339	9/16/2020	12:07:29	0.2	0.2	0.2
340	9/16/2020	12:08:29	0.2	0.2	0.2
341	9/16/2020	12:09:29	0.2	0.2	0.2
342	9/16/2020	12:10:29	0.2	0.2	0.2
343	9/16/2020	12:11:29	0.2	0.2	0.2
344	9/16/2020	12:12:29	0.2	0.2	0.2
345	9/16/2020	12:13:29	0.2	0.2	0.2
346	9/16/2020	12:14:29	0.2	0.2	0.2
347	9/16/2020	12:15:29	0.2	0.2	0.2
348	9/16/2020	12:16:29	0.2	0.2	0.2
349	9/16/2020	12:17:29	0.2	0.2	0.2
350	9/16/2020	12:18:29	0.2	0.2	0.2
351	9/16/2020	12:19:29	0.2	0.2	0.2
352	9/16/2020	12:20:29	0.2	0.2	0.2
353	9/16/2020	12:21:29	0.2	0.2	0.2
354	9/16/2020	12:22:29	0.2	0.2	0.2
355	9/16/2020	12:23:29	0.2	0.2	0.2
356	9/16/2020	12:24:29	0.2	0.2	0.2
357	9/16/2020	12:25:29	0.2	0.2	0.2
358	9/16/2020	12:26:29	0.2	0.2	0.2

359	9/16/2020 12:27:29	0.2	0.2	0.2
360	9/16/2020 12:28:29	0.2	0.2	0.2
361	9/16/2020 12:29:29	0.2	0.2	0.2
362	9/16/2020 12:30:29	0.2	0.2	0.2
363	9/16/2020 12:31:29	0.2	0.2	0.2
364	9/16/2020 12:32:29	0.2	0.2	0.2
365	9/16/2020 12:33:29	0.2	0.2	0.2
366	9/16/2020 12:34:29	0.2	0.2	0.2
367	9/16/2020 12:35:29	0.2	0.2	0.2
368	9/16/2020 12:36:29	0.2	0.2	0.2
369	9/16/2020 12:37:29	0.2	0.2	0.2
370	9/16/2020 12:38:29	0.2	0.2	0.2
371	9/16/2020 12:39:29	0.2	0.2	0.2
372	9/16/2020 12:40:29	0.2	0.2	0.2
373	9/16/2020 12:41:29	0.2	0.2	0.2
374	9/16/2020 12:42:29	0.2	0.2	0.2
375	9/16/2020 12:43:29	0.2	0.2	0.2
376	9/16/2020 12:44:29	0.2	0.2	0.2
377	9/16/2020 12:45:29	0.2	0.2	0.2
378	9/16/2020 12:46:29	0.2	0.2	0.2
379	9/16/2020 12:47:29	0.2	0.2	0.2
380	9/16/2020 12:48:29	0.2	0.2	0.2
381	9/16/2020 12:49:29	0.2	0.2	0.2
382	9/16/2020 12:50:29	0.2	0.2	0.2
383	9/16/2020 12:51:29	0.2	0.2	0.2
384	9/16/2020 12:52:29	0.2	0.2	0.2
385	9/16/2020 12:53:29	0.2	0.2	0.2
386	9/16/2020 12:54:29	0.2	0.2	0.2
387	9/16/2020 12:55:29	0.2	0.2	0.2
388	9/16/2020 12:56:29	0.2	0.2	0.2
389	9/16/2020 12:57:29	0.2	0.2	0.2
390	9/16/2020 12:58:29	0.2	0.2	0.2
391	9/16/2020 12:59:29	0.2	0.2	0.2
392	9/16/2020 13:00:29	0.2	0.2	0.2
393	9/16/2020 13:01:29	0.2	0.2	0.2
394	9/16/2020 13:02:29	0.2	0.2	0.2
395	9/16/2020 13:03:29	0.2	0.2	0.2
396	9/16/2020 13:04:29	0.2	0.2	0.2
397	9/16/2020 13:05:29	0.2	0.2	0.2
398	9/16/2020 13:06:29	0.2	0.2	0.2
399	9/16/2020 13:07:29	0.2	0.2	0.2
400	9/16/2020 13:08:29	0.2	0.2	0.2
401	9/16/2020 13:09:29	0.2	0.2	0.2
402	9/16/2020 13:10:29	0.2	0.2	0.2
403	9/16/2020 13:11:29	0.2	0.2	0.2
404	9/16/2020 13:12:29	0.2	0.2	0.2
405	9/16/2020 13:13:29	0.2	0.2	0.2
406	9/16/2020 13:14:29	0.2	0.2	0.2
407	9/16/2020 13:15:29	0.2	0.2	0.2
408	9/16/2020 13:16:29	0.2	0.2	0.2

409	9/16/2020	13:17:29	0.2	0.2	0.2
410	9/16/2020	13:18:29	0.2	0.2	0.2
411	9/16/2020	13:19:29	0.2	0.2	0.2
412	9/16/2020	13:20:29	0.2	0.2	0.2
413	9/16/2020	13:21:29	0.2	0.2	0.2
414	9/16/2020	13:22:29	0.2	0.2	0.2
415	9/16/2020	13:23:29	0.2	0.2	0.2
416	9/16/2020	13:24:29	0.2	0.2	0.2
417	9/16/2020	13:25:29	0.2	0.2	0.2
418	9/16/2020	13:26:29	0.2	0.2	0.2
419	9/16/2020	13:27:29	0.2	0.2	0.2
420	9/16/2020	13:28:29	0.2	0.2	0.2
421	9/16/2020	13:29:29	0.2	0.2	0.2
422	9/16/2020	13:30:29	0.2	0.2	0.2
423	9/16/2020	13:31:29	0.2	0.2	0.2
424	9/16/2020	13:32:29	0.2	0.2	0.2
425	9/16/2020	13:33:29	0.2	0.2	0.2
426	9/16/2020	13:34:29	0.2	0.2	0.2
427	9/16/2020	13:35:29	0.2	0.2	0.2
428	9/16/2020	13:36:29	0.2	0.2	0.2
429	9/16/2020	13:37:29	0.2	0.2	0.2
430	9/16/2020	13:38:29	0.2	0.2	0.2
431	9/16/2020	13:39:29	0.2	0.2	0.2
432	9/16/2020	13:40:29	0.2	0.2	0.2
433	9/16/2020	13:41:29	0.2	0.2	0.2
434	9/16/2020	13:42:29	0.2	0.2	0.2
435	9/16/2020	13:43:29	0.2	0.2	0.2
436	9/16/2020	13:44:29	0.2	0.2	0.2
437	9/16/2020	13:45:29	0.2	0.2	0.2
438	9/16/2020	13:46:29	0.2	0.2	0.2
439	9/16/2020	13:47:29	0.2	0.2	0.2
440	9/16/2020	13:48:29	0.2	0.2	0.2
441	9/16/2020	13:49:29	0.2	0.2	0.2
442	9/16/2020	13:50:29	0.2	0.2	0.2
443	9/16/2020	13:51:29	0.2	0.2	0.2
444	9/16/2020	13:52:29	0.2	0.2	0.2
445	9/16/2020	13:53:29	0.2	0.2	0.2
446	9/16/2020	13:54:29	0.2	0.2	0.2
447	9/16/2020	13:55:29	0.2	0.2	0.2
448	9/16/2020	13:56:29	0.2	0.2	0.2
449	9/16/2020	13:57:29	0.2	0.2	0.2
450	9/16/2020	13:58:29	0.2	0.2	0.2
451	9/16/2020	13:59:29	0.2	0.2	0.2
452	9/16/2020	14:00:29	0.2	0.2	0.2
453	9/16/2020	14:01:29	0.2	0.2	0.2
454	9/16/2020	14:02:29	0.2	0.2	0.2
455	9/16/2020	14:03:29	0.2	0.2	0.2
456	9/16/2020	14:04:29	0.2	0.2	0.2
457	9/16/2020	14:05:29	0.2	0.2	0.2
458	9/16/2020	14:06:29	0.2	0.2	0.2

459	9/16/2020	14:07:29	0.2	0.2	0.2
460	9/16/2020	14:08:29	0.2	0.2	0.2
461	9/16/2020	14:09:29	0.2	0.2	0.2
462	9/16/2020	14:10:29	0.2	0.2	0.2
463	9/16/2020	14:11:29	0.2	0.2	0.2
464	9/16/2020	14:12:29	0.2	0.2	0.2
465	9/16/2020	14:13:29	0.2	0.2	0.2
466	9/16/2020	14:14:29	0.2	0.2	0.2
467	9/16/2020	14:15:29	0.2	0.2	0.2
468	9/16/2020	14:16:29	0.2	0.2	0.2
469	9/16/2020	14:17:29	0.2	0.2	0.2
470	9/16/2020	14:18:29	0.2	0.2	0.2
471	9/16/2020	14:19:29	0.2	0.2	0.2
472	9/16/2020	14:20:29	0.2	0.2	0.2
473	9/16/2020	14:21:29	0.2	0.2	0.2
474	9/16/2020	14:22:29	0.2	0.2	0.2
475	9/16/2020	14:23:29	0.2	0.2	0.2
476	9/16/2020	14:24:29	0.2	0.2	0.2
477	9/16/2020	14:25:29	0.2	0.2	0.2
Peak			0.2	0.4	0.3
Min			0.0	0.0	0.0
Average			0.1	0.1	0.1

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
001	9/16/2020 06:29:29	0.0	---
002	9/16/2020 06:30:29	0.0	---
003	9/16/2020 06:31:29	0.0	---
004	9/16/2020 06:32:29	0.0	---
005	9/16/2020 06:33:29	0.0	---
006	9/16/2020 06:34:29	0.0	---
007	9/16/2020 06:35:29	0.0	---
008	9/16/2020 06:36:29	0.0	---
009	9/16/2020 06:37:29	0.0	---
010	9/16/2020 06:38:29	0.0	---
011	9/16/2020 06:39:29	0.0	---
012	9/16/2020 06:40:29	0.0	---
013	9/16/2020 06:41:29	0.0	---
014	9/16/2020 06:42:29	0.0	---
015	9/16/2020 06:43:29	0.0	0.0
016	9/16/2020 06:44:29	0.0	0.0
017	9/16/2020 06:45:29	0.0	0.0
018	9/16/2020 06:46:29	0.0	0.0
019	9/16/2020 06:47:29	0.0	0.0
020	9/16/2020 06:48:29	0.0	0.0
021	9/16/2020 06:49:29	0.0	0.0
022	9/16/2020 06:50:29	0.0	0.0
023	9/16/2020 06:51:29	0.0	0.0

024	9/16/2020 06:52:29	0.0	0.0
025	9/16/2020 06:53:29	0.0	0.0
026	9/16/2020 06:54:29	0.0	0.0
027	9/16/2020 06:55:29	0.0	0.0
028	9/16/2020 06:56:29	0.0	0.0
029	9/16/2020 06:57:29	0.0	0.0
030	9/16/2020 06:58:29	0.0	0.0
031	9/16/2020 06:59:29	0.0	0.0
032	9/16/2020 07:00:29	0.0	0.0
033	9/16/2020 07:01:29	0.0	0.0
034	9/16/2020 07:02:29	0.0	0.0
035	9/16/2020 07:03:29	0.0	0.0
036	9/16/2020 07:04:29	0.0	0.0
037	9/16/2020 07:05:29	0.0	0.0
038	9/16/2020 07:06:29	0.0	0.0
039	9/16/2020 07:07:29	0.0	0.0
040	9/16/2020 07:08:29	0.0	0.0
041	9/16/2020 07:09:29	0.0	0.0
042	9/16/2020 07:10:29	0.0	0.0
043	9/16/2020 07:11:29	0.0	0.0
044	9/16/2020 07:12:29	0.0	0.0
045	9/16/2020 07:13:29	0.0	0.0
046	9/16/2020 07:14:29	0.0	0.0
047	9/16/2020 07:15:29	0.0	0.0
048	9/16/2020 07:16:29	0.0	0.0
049	9/16/2020 07:17:29	0.0	0.0
050	9/16/2020 07:18:29	0.0	0.0
051	9/16/2020 07:19:29	0.0	0.0
052	9/16/2020 07:20:29	0.0	0.0
053	9/16/2020 07:21:29	0.0	0.0
054	9/16/2020 07:22:29	0.0	0.0
055	9/16/2020 07:23:29	0.0	0.0
056	9/16/2020 07:24:29	0.0	0.0
057	9/16/2020 07:25:29	0.0	0.0
058	9/16/2020 07:26:29	0.0	0.0
059	9/16/2020 07:27:29	0.0	0.0
060	9/16/2020 07:28:29	0.0	0.0
061	9/16/2020 07:29:29	0.0	0.0
062	9/16/2020 07:30:29	0.0	0.0
063	9/16/2020 07:31:29	0.0	0.0
064	9/16/2020 07:32:29	0.0	0.0
065	9/16/2020 07:33:29	0.0	0.0
066	9/16/2020 07:34:29	0.0	0.0
067	9/16/2020 07:35:29	0.0	0.0
068	9/16/2020 07:36:29	0.0	0.0
069	9/16/2020 07:37:29	0.0	0.0
070	9/16/2020 07:38:29	0.0	0.0
071	9/16/2020 07:39:29	0.0	0.0
072	9/16/2020 07:40:29	0.0	0.0
073	9/16/2020 07:41:29	0.0	0.0

074	9/16/2020 07:42:29	0.0	0.0
075	9/16/2020 07:43:29	0.0	0.0
076	9/16/2020 07:44:29	0.0	0.0
077	9/16/2020 07:45:29	0.0	0.0
078	9/16/2020 07:46:29	0.0	0.0
079	9/16/2020 07:47:29	0.0	0.0
080	9/16/2020 07:48:29	0.0	0.0
081	9/16/2020 07:49:29	0.0	0.0
082	9/16/2020 07:50:29	0.0	0.0
083	9/16/2020 07:51:29	0.0	0.0
084	9/16/2020 07:52:29	0.0	0.0
085	9/16/2020 07:53:29	0.0	0.0
086	9/16/2020 07:54:29	0.0	0.0
087	9/16/2020 07:55:29	0.0	0.0
088	9/16/2020 07:56:29	0.0	0.0
089	9/16/2020 07:57:29	0.0	0.0
090	9/16/2020 07:58:29	0.0	0.1
091	9/16/2020 07:59:29	0.0	0.1
092	9/16/2020 08:00:29	0.0	0.1
093	9/16/2020 08:01:29	0.0	0.1
094	9/16/2020 08:02:29	0.0	0.1
095	9/16/2020 08:03:29	0.0	0.1
096	9/16/2020 08:04:29	0.0	0.1
097	9/16/2020 08:05:29	0.0	0.1
098	9/16/2020 08:06:29	0.0	0.1
099	9/16/2020 08:07:29	0.0	0.1
100	9/16/2020 08:08:29	0.0	0.1
101	9/16/2020 08:09:29	0.0	0.1
102	9/16/2020 08:10:29	0.0	0.1
103	9/16/2020 08:11:29	0.0	0.1
104	9/16/2020 08:12:29	0.0	0.1
105	9/16/2020 08:13:29	0.0	0.1
106	9/16/2020 08:14:29	0.0	0.1
107	9/16/2020 08:15:29	0.0	0.1
108	9/16/2020 08:16:29	0.0	0.1
109	9/16/2020 08:17:29	0.0	0.1
110	9/16/2020 08:18:29	0.0	0.1
111	9/16/2020 08:19:29	0.0	0.1
112	9/16/2020 08:20:29	0.0	0.1
113	9/16/2020 08:21:29	0.0	0.1
114	9/16/2020 08:22:29	0.0	0.1
115	9/16/2020 08:23:29	0.0	0.1
116	9/16/2020 08:24:29	0.0	0.1
117	9/16/2020 08:25:29	0.0	0.1
118	9/16/2020 08:26:29	0.0	0.1
119	9/16/2020 08:27:29	0.0	0.1
120	9/16/2020 08:28:29	0.0	0.1
121	9/16/2020 08:29:29	0.0	0.1
122	9/16/2020 08:30:29	0.0	0.1
123	9/16/2020 08:31:29	0.0	0.1

124	9/16/2020 08:32:29	0.0	0.1
125	9/16/2020 08:33:29	0.0	0.1
126	9/16/2020 08:34:29	0.0	0.1
127	9/16/2020 08:35:29	0.0	0.1
128	9/16/2020 08:36:29	0.0	0.1
129	9/16/2020 08:37:29	0.0	0.1
130	9/16/2020 08:38:29	0.0	0.1
131	9/16/2020 08:39:29	0.0	0.1
132	9/16/2020 08:40:29	0.0	0.1
133	9/16/2020 08:41:29	0.0	0.1
134	9/16/2020 08:42:29	0.0	0.1
135	9/16/2020 08:43:29	0.0	0.1
136	9/16/2020 08:44:29	0.0	0.1
137	9/16/2020 08:45:29	0.0	0.1
138	9/16/2020 08:46:29	0.0	0.1
139	9/16/2020 08:47:29	0.0	0.1
140	9/16/2020 08:48:29	0.0	0.1
141	9/16/2020 08:49:29	0.0	0.1
142	9/16/2020 08:50:29	0.0	0.1
143	9/16/2020 08:51:29	0.0	0.1
144	9/16/2020 08:52:29	0.0	0.1
145	9/16/2020 08:53:29	0.0	0.1
146	9/16/2020 08:54:29	0.0	0.1
147	9/16/2020 08:55:29	0.0	0.1
148	9/16/2020 08:56:29	0.0	0.1
149	9/16/2020 08:57:29	0.0	0.1
150	9/16/2020 08:58:29	0.0	0.1
151	9/16/2020 08:59:29	0.0	0.1
152	9/16/2020 09:00:29	0.0	0.1
153	9/16/2020 09:01:29	0.0	0.1
154	9/16/2020 09:02:29	0.0	0.1
155	9/16/2020 09:03:29	0.0	0.1
156	9/16/2020 09:04:29	0.0	0.1
157	9/16/2020 09:05:29	0.0	0.1
158	9/16/2020 09:06:29	0.0	0.1
159	9/16/2020 09:07:29	0.0	0.1
160	9/16/2020 09:08:29	0.0	0.1
161	9/16/2020 09:09:29	0.0	0.1
162	9/16/2020 09:10:29	0.0	0.1
163	9/16/2020 09:11:29	0.0	0.1
164	9/16/2020 09:12:29	0.0	0.1
165	9/16/2020 09:13:29	0.0	0.1
166	9/16/2020 09:14:29	0.0	0.1
167	9/16/2020 09:15:29	0.0	0.1
168	9/16/2020 09:16:29	0.0	0.1
169	9/16/2020 09:17:29	0.0	0.1
170	9/16/2020 09:18:29	0.0	0.1
171	9/16/2020 09:19:29	0.0	0.1
172	9/16/2020 09:20:29	0.0	0.1
173	9/16/2020 09:21:29	0.0	0.1

174	9/16/2020 09:22:29	0.0	0.1
175	9/16/2020 09:23:29	0.0	0.1
176	9/16/2020 09:24:29	0.0	0.1
177	9/16/2020 09:25:29	0.0	0.1
178	9/16/2020 09:26:29	0.0	0.1
179	9/16/2020 09:27:29	0.0	0.1
180	9/16/2020 09:28:29	0.0	0.1
181	9/16/2020 09:29:29	0.0	0.1
182	9/16/2020 09:30:29	0.0	0.1
183	9/16/2020 09:31:29	0.0	0.1
184	9/16/2020 09:32:29	0.0	0.1
185	9/16/2020 09:33:29	0.0	0.1
186	9/16/2020 09:34:29	0.0	0.1
187	9/16/2020 09:35:29	0.0	0.1
188	9/16/2020 09:36:29	0.0	0.1
189	9/16/2020 09:37:29	0.0	0.1
190	9/16/2020 09:38:29	0.0	0.1
191	9/16/2020 09:39:29	0.0	0.1
192	9/16/2020 09:40:29	0.0	0.1
193	9/16/2020 09:41:29	0.0	0.1
194	9/16/2020 09:42:29	0.0	0.1
195	9/16/2020 09:43:29	0.0	0.1
196	9/16/2020 09:44:29	0.0	0.1
197	9/16/2020 09:45:29	0.0	0.1
198	9/16/2020 09:46:29	0.0	0.1
199	9/16/2020 09:47:29	0.0	0.1
200	9/16/2020 09:48:29	0.0	0.1
201	9/16/2020 09:49:29	0.0	0.1
202	9/16/2020 09:50:29	0.0	0.1
203	9/16/2020 09:51:29	0.0	0.1
204	9/16/2020 09:52:29	0.0	0.1
205	9/16/2020 09:53:29	0.0	0.1
206	9/16/2020 09:54:29	0.0	0.1
207	9/16/2020 09:55:29	0.0	0.1
208	9/16/2020 09:56:29	0.0	0.1
209	9/16/2020 09:57:29	0.0	0.1
210	9/16/2020 09:58:29	0.0	0.1
211	9/16/2020 09:59:29	0.0	0.1
212	9/16/2020 10:00:29	0.0	0.2
213	9/16/2020 10:01:29	0.0	0.2
214	9/16/2020 10:02:29	0.0	0.2
215	9/16/2020 10:03:29	0.0	0.2
216	9/16/2020 10:04:29	0.0	0.2
217	9/16/2020 10:05:29	0.0	0.2
218	9/16/2020 10:06:29	0.0	0.2
219	9/16/2020 10:07:29	0.0	0.2
220	9/16/2020 10:08:29	0.0	0.2
221	9/16/2020 10:09:29	0.0	0.2
222	9/16/2020 10:10:29	0.0	0.2
223	9/16/2020 10:11:29	0.0	0.2

224	9/16/2020 10:12:29	0.0	0.2
225	9/16/2020 10:13:29	0.0	0.2
226	9/16/2020 10:14:29	0.0	0.2
227	9/16/2020 10:15:29	0.0	0.2
228	9/16/2020 10:16:29	0.0	0.2
229	9/16/2020 10:17:29	0.0	0.2
230	9/16/2020 10:18:29	0.0	0.2
231	9/16/2020 10:19:29	0.0	0.2
232	9/16/2020 10:20:29	0.0	0.2
233	9/16/2020 10:21:29	0.0	0.2
234	9/16/2020 10:22:29	0.0	0.2
235	9/16/2020 10:23:29	0.0	0.2
236	9/16/2020 10:24:29	0.0	0.2
237	9/16/2020 10:25:29	0.0	0.2
238	9/16/2020 10:26:29	0.0	0.2
239	9/16/2020 10:27:29	0.0	0.2
240	9/16/2020 10:28:29	0.0	0.2
241	9/16/2020 10:29:29	0.0	0.2
242	9/16/2020 10:30:29	0.0	0.2
243	9/16/2020 10:31:29	0.0	0.2
244	9/16/2020 10:32:29	0.0	0.2
245	9/16/2020 10:33:29	0.0	0.2
246	9/16/2020 10:34:29	0.0	0.2
247	9/16/2020 10:35:29	0.0	0.2
248	9/16/2020 10:36:29	0.0	0.2
249	9/16/2020 10:37:29	0.0	0.2
250	9/16/2020 10:38:29	0.0	0.2
251	9/16/2020 10:39:29	0.0	0.2
252	9/16/2020 10:40:29	0.0	0.2
253	9/16/2020 10:41:29	0.0	0.2
254	9/16/2020 10:42:29	0.0	0.2
255	9/16/2020 10:43:29	0.0	0.2
256	9/16/2020 10:44:29	0.0	0.2
257	9/16/2020 10:45:29	0.0	0.2
258	9/16/2020 10:46:29	0.0	0.2
259	9/16/2020 10:47:29	0.0	0.2
260	9/16/2020 10:48:29	0.0	0.2
261	9/16/2020 10:49:29	0.1	0.2
262	9/16/2020 10:50:29	0.1	0.2
263	9/16/2020 10:51:29	0.1	0.2
264	9/16/2020 10:52:29	0.1	0.2
265	9/16/2020 10:53:29	0.1	0.2
266	9/16/2020 10:54:29	0.1	0.2
267	9/16/2020 10:55:29	0.1	0.2
268	9/16/2020 10:56:29	0.1	0.2
269	9/16/2020 10:57:29	0.1	0.2
270	9/16/2020 10:58:29	0.1	0.2
271	9/16/2020 10:59:29	0.1	0.2
272	9/16/2020 11:00:29	0.1	0.2
273	9/16/2020 11:01:29	0.1	0.2

274	9/16/2020	11:02:29	0.1	0.2
275	9/16/2020	11:03:29	0.1	0.2
276	9/16/2020	11:04:29	0.1	0.2
277	9/16/2020	11:05:29	0.1	0.2
278	9/16/2020	11:06:29	0.1	0.2
279	9/16/2020	11:07:29	0.1	0.2
280	9/16/2020	11:08:29	0.1	0.2
281	9/16/2020	11:09:29	0.1	0.2
282	9/16/2020	11:10:29	0.1	0.2
283	9/16/2020	11:11:29	0.1	0.2
284	9/16/2020	11:12:29	0.1	0.2
285	9/16/2020	11:13:29	0.1	0.2
286	9/16/2020	11:14:29	0.1	0.2
287	9/16/2020	11:15:29	0.1	0.2
288	9/16/2020	11:16:29	0.1	0.2
289	9/16/2020	11:17:29	0.1	0.2
290	9/16/2020	11:18:29	0.1	0.2
291	9/16/2020	11:19:29	0.1	0.2
292	9/16/2020	11:20:29	0.1	0.2
293	9/16/2020	11:21:29	0.1	0.2
294	9/16/2020	11:22:29	0.1	0.2
295	9/16/2020	11:23:29	0.1	0.2
296	9/16/2020	11:24:29	0.1	0.2
297	9/16/2020	11:25:29	0.1	0.2
298	9/16/2020	11:26:29	0.1	0.2
299	9/16/2020	11:27:29	0.1	0.2
300	9/16/2020	11:28:29	0.1	0.2
301	9/16/2020	11:29:29	0.1	0.2
302	9/16/2020	11:30:29	0.1	0.2
303	9/16/2020	11:31:29	0.1	0.2
304	9/16/2020	11:32:29	0.1	0.2
305	9/16/2020	11:33:29	0.1	0.2
306	9/16/2020	11:34:29	0.1	0.2
307	9/16/2020	11:35:29	0.1	0.2
308	9/16/2020	11:36:29	0.1	0.2
309	9/16/2020	11:37:29	0.1	0.2
310	9/16/2020	11:38:29	0.1	0.2
311	9/16/2020	11:39:29	0.1	0.2
312	9/16/2020	11:40:29	0.1	0.2
313	9/16/2020	11:41:29	0.1	0.2
314	9/16/2020	11:42:29	0.1	0.2
315	9/16/2020	11:43:29	0.1	0.2
316	9/16/2020	11:44:29	0.1	0.2
317	9/16/2020	11:45:29	0.1	0.2
318	9/16/2020	11:46:29	0.1	0.2
319	9/16/2020	11:47:29	0.1	0.2
320	9/16/2020	11:48:29	0.1	0.2
321	9/16/2020	11:49:29	0.1	0.2
322	9/16/2020	11:50:29	0.1	0.2
323	9/16/2020	11:51:29	0.1	0.2

324	9/16/2020	11:52:29	0.1	0.2
325	9/16/2020	11:53:29	0.1	0.2
326	9/16/2020	11:54:29	0.1	0.2
327	9/16/2020	11:55:29	0.1	0.2
328	9/16/2020	11:56:29	0.1	0.2
329	9/16/2020	11:57:29	0.1	0.2
330	9/16/2020	11:58:29	0.1	0.2
331	9/16/2020	11:59:29	0.1	0.2
332	9/16/2020	12:00:29	0.1	0.2
333	9/16/2020	12:01:29	0.1	0.2
334	9/16/2020	12:02:29	0.1	0.2
335	9/16/2020	12:03:29	0.1	0.2
336	9/16/2020	12:04:29	0.1	0.2
337	9/16/2020	12:05:29	0.1	0.2
338	9/16/2020	12:06:29	0.1	0.2
339	9/16/2020	12:07:29	0.1	0.2
340	9/16/2020	12:08:29	0.1	0.2
341	9/16/2020	12:09:29	0.1	0.2
342	9/16/2020	12:10:29	0.1	0.2
343	9/16/2020	12:11:29	0.1	0.2
344	9/16/2020	12:12:29	0.1	0.2
345	9/16/2020	12:13:29	0.1	0.2
346	9/16/2020	12:14:29	0.1	0.2
347	9/16/2020	12:15:29	0.1	0.2
348	9/16/2020	12:16:29	0.1	0.2
349	9/16/2020	12:17:29	0.1	0.2
350	9/16/2020	12:18:29	0.1	0.2
351	9/16/2020	12:19:29	0.1	0.2
352	9/16/2020	12:20:29	0.1	0.2
353	9/16/2020	12:21:29	0.1	0.2
354	9/16/2020	12:22:29	0.1	0.2
355	9/16/2020	12:23:29	0.1	0.2
356	9/16/2020	12:24:29	0.1	0.2
357	9/16/2020	12:25:29	0.1	0.2
358	9/16/2020	12:26:29	0.1	0.2
359	9/16/2020	12:27:29	0.1	0.2
360	9/16/2020	12:28:29	0.1	0.2
361	9/16/2020	12:29:29	0.1	0.2
362	9/16/2020	12:30:29	0.1	0.2
363	9/16/2020	12:31:29	0.1	0.2
364	9/16/2020	12:32:29	0.1	0.2
365	9/16/2020	12:33:29	0.1	0.2
366	9/16/2020	12:34:29	0.1	0.2
367	9/16/2020	12:35:29	0.1	0.2
368	9/16/2020	12:36:29	0.1	0.2
369	9/16/2020	12:37:29	0.1	0.2
370	9/16/2020	12:38:29	0.1	0.2
371	9/16/2020	12:39:29	0.1	0.2
372	9/16/2020	12:40:29	0.1	0.2
373	9/16/2020	12:41:29	0.1	0.2

374	9/16/2020 12:42:29	0.1	0.2
375	9/16/2020 12:43:29	0.1	0.2
376	9/16/2020 12:44:29	0.1	0.2
377	9/16/2020 12:45:29	0.1	0.2
378	9/16/2020 12:46:29	0.1	0.2
379	9/16/2020 12:47:29	0.1	0.2
380	9/16/2020 12:48:29	0.1	0.2
381	9/16/2020 12:49:29	0.1	0.2
382	9/16/2020 12:50:29	0.1	0.2
383	9/16/2020 12:51:29	0.1	0.2
384	9/16/2020 12:52:29	0.1	0.2
385	9/16/2020 12:53:29	0.1	0.2
386	9/16/2020 12:54:29	0.1	0.2
387	9/16/2020 12:55:29	0.1	0.2
388	9/16/2020 12:56:29	0.1	0.2
389	9/16/2020 12:57:29	0.1	0.2
390	9/16/2020 12:58:29	0.1	0.2
391	9/16/2020 12:59:29	0.1	0.2
392	9/16/2020 13:00:29	0.1	0.2
393	9/16/2020 13:01:29	0.1	0.2
394	9/16/2020 13:02:29	0.1	0.2
395	9/16/2020 13:03:29	0.1	0.2
396	9/16/2020 13:04:29	0.1	0.2
397	9/16/2020 13:05:29	0.1	0.2
398	9/16/2020 13:06:29	0.1	0.2
399	9/16/2020 13:07:29	0.1	0.2
400	9/16/2020 13:08:29	0.1	0.2
401	9/16/2020 13:09:29	0.1	0.2
402	9/16/2020 13:10:29	0.1	0.2
403	9/16/2020 13:11:29	0.1	0.2
404	9/16/2020 13:12:29	0.1	0.2
405	9/16/2020 13:13:29	0.1	0.2
406	9/16/2020 13:14:29	0.1	0.2
407	9/16/2020 13:15:29	0.1	0.2
408	9/16/2020 13:16:29	0.1	0.2
409	9/16/2020 13:17:29	0.1	0.2
410	9/16/2020 13:18:29	0.1	0.2
411	9/16/2020 13:19:29	0.1	0.2
412	9/16/2020 13:20:29	0.1	0.2
413	9/16/2020 13:21:29	0.1	0.2
414	9/16/2020 13:22:29	0.1	0.2
415	9/16/2020 13:23:29	0.1	0.2
416	9/16/2020 13:24:29	0.1	0.2
417	9/16/2020 13:25:29	0.1	0.2
418	9/16/2020 13:26:29	0.1	0.2
419	9/16/2020 13:27:29	0.1	0.2
420	9/16/2020 13:28:29	0.1	0.2
421	9/16/2020 13:29:29	0.1	0.2
422	9/16/2020 13:30:29	0.1	0.2
423	9/16/2020 13:31:29	0.1	0.2

424	9/16/2020	13:32:29	0.1	0.2
425	9/16/2020	13:33:29	0.1	0.2
426	9/16/2020	13:34:29	0.1	0.2
427	9/16/2020	13:35:29	0.1	0.2
428	9/16/2020	13:36:29	0.1	0.2
429	9/16/2020	13:37:29	0.1	0.2
430	9/16/2020	13:38:29	0.1	0.2
431	9/16/2020	13:39:29	0.1	0.2
432	9/16/2020	13:40:29	0.1	0.2
433	9/16/2020	13:41:29	0.1	0.2
434	9/16/2020	13:42:29	0.1	0.2
435	9/16/2020	13:43:29	0.1	0.2
436	9/16/2020	13:44:29	0.1	0.2
437	9/16/2020	13:45:29	0.1	0.2
438	9/16/2020	13:46:29	0.1	0.2
439	9/16/2020	13:47:29	0.1	0.2
440	9/16/2020	13:48:29	0.1	0.2
441	9/16/2020	13:49:29	0.1	0.2
442	9/16/2020	13:50:29	0.1	0.2
443	9/16/2020	13:51:29	0.1	0.2
444	9/16/2020	13:52:29	0.1	0.2
445	9/16/2020	13:53:29	0.1	0.2
446	9/16/2020	13:54:29	0.1	0.2
447	9/16/2020	13:55:29	0.1	0.2
448	9/16/2020	13:56:29	0.1	0.2
449	9/16/2020	13:57:29	0.1	0.2
450	9/16/2020	13:58:29	0.1	0.2
451	9/16/2020	13:59:29	0.1	0.2
452	9/16/2020	14:00:29	0.1	0.2
453	9/16/2020	14:01:29	0.1	0.2
454	9/16/2020	14:02:29	0.1	0.2
455	9/16/2020	14:03:29	0.1	0.2
456	9/16/2020	14:04:29	0.1	0.2
457	9/16/2020	14:05:29	0.1	0.2
458	9/16/2020	14:06:29	0.1	0.2
459	9/16/2020	14:07:29	0.1	0.2
460	9/16/2020	14:08:29	0.1	0.2
461	9/16/2020	14:09:29	0.1	0.2
462	9/16/2020	14:10:29	0.1	0.2
463	9/16/2020	14:11:29	0.1	0.2
464	9/16/2020	14:12:29	0.1	0.2
465	9/16/2020	14:13:29	0.1	0.2
466	9/16/2020	14:14:29	0.1	0.2
467	9/16/2020	14:15:29	0.1	0.2
468	9/16/2020	14:16:29	0.1	0.2
469	9/16/2020	14:17:29	0.1	0.2
470	9/16/2020	14:18:29	0.1	0.2
471	9/16/2020	14:19:29	0.1	0.2
472	9/16/2020	14:20:29	0.1	0.2
473	9/16/2020	14:21:29	0.1	0.2

474	9/16/2020 14:22:29	0.1	0.2
475	9/16/2020 14:23:29	0.1	0.2
476	9/16/2020 14:24:29	0.1	0.2
477	9/16/2020 14:25:29	0.1	0.2

=====
20/09/25 06:39

Summary

Unit Name MiniRAE 3000(PGM-7320)
Unit SN 592-912151
Unit Firmw V2.22

Running M Hygiene Mode
Datalog Mc Auto
Diagnostic No
Stop Reaso Power Down

Site ID 12345678
User ID 12345678

Begin #####
End #####
Sample Per 900
Number of 24

Sensor PID(ppm)
Sensor SN S023030235R3
Measure T₁ Avg; Max; Real
Span 100
Span 2 1000
Low Alarm 50
High Alarm 100
Over Alarm 15000
STEL Alarm 25
TWA Alarm 10
Measurem Isobutylene
Calibration #####
Peak 0
Min 0
Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)
1	#####	0	0	0
2	#####	0	0	0
3	#####	0	0	0
4	#####	0	0	0
5	#####	0	0	0

6	#####	0	0	0
7	#####	0	0	0
8	#####	0	0	0
9	#####	0	0	0
10	#####	0	0	0
11	#####	0	0	0
12	#####	0	0	0
13	#####	0	0	0
14	#####	0	0	0
15	#####	0	0	0
16	#####	0	0	0
17	#####	0	0	0
18	#####	0	0	0
19	#####	0	0	0
20	#####	0	0	0
21	#####	0	0	0
22	#####	0	0	0
23	#####	0	0	0
24	#####	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm)	PID(ppm)
		(TWA)	(STEL)
1	#####	0	0
2	#####	0	0
3	#####	0	0
4	#####	0	0
5	#####	0	0
6	#####	0	0
7	#####	0	0
8	#####	0	0
9	#####	0	0
10	#####	0	0
11	#####	0	0
12	#####	0	0
13	#####	0	0
14	#####	0	0
15	#####	0	0
16	#####	0	0
17	#####	0	0
18	#####	0	0
19	#####	0	0
20	#####	0	0

21	#####	0	0
22	#####	0	0
23	#####	0	0
24	#####	0	0

=====

20/10/20 07:23

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-910787

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 10/20/2020 7:23

End 10/20/2020 14:03

Sample Period(s) 900

Number of Records 26

Sensor PID(ppm)

Sensor SN S023030036Q6

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 10/16/2020 14:32

Peak 0.6

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	10/20/2020 7:38		0	0	0
2	10/20/2020 7:53		0	0	0
3	10/20/2020 8:08		0	0	0
4	10/20/2020 8:23		0	0	0
5	10/20/2020 8:38		0	0	0

6	10/20/2020 8:53	0	0	0
7	10/20/2020 9:08	0	0	0
8	10/20/2020 9:23	0	0	0
9	10/20/2020 9:38	0	0	0
10	10/20/2020 9:53	0	0	0
11	10/20/2020 10:08	0	1.1	0
12	10/20/2020 10:23	0	0	0
13	10/20/2020 10:38	0	0	0
14	10/20/2020 10:53	0	0	0
15	10/20/2020 11:08	0	0	0
16	10/20/2020 11:23	0	0	0
17	10/20/2020 11:38	0	0	0
18	10/20/2020 11:53	0	0	0
19	10/20/2020 12:08	0	0	0
20	10/20/2020 12:23	0	0.1	0
21	10/20/2020 12:38	0	0	0
22	10/20/2020 12:53	0	0.2	0
23	10/20/2020 13:08	0	1.1	0
24	10/20/2020 13:23	10.4	89.7	0.6
25	10/20/2020 13:38	0.8	6.6	0.2
26	10/20/2020 13:53	0.1	0.2	0.1
Peak		10.4	89.7	0.6
Min		0	0	0
Average		0.4	3.8	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/20/2020 7:38	0	0
2	10/20/2020 7:53	0	0
3	10/20/2020 8:08	0	0
4	10/20/2020 8:23	0	0
5	10/20/2020 8:38	0	0
6	10/20/2020 8:53	0	0
7	10/20/2020 9:08	0	0
8	10/20/2020 9:23	0	0
9	10/20/2020 9:38	0	0
10	10/20/2020 9:53	0	0
11	10/20/2020 10:08	0	0
12	10/20/2020 10:23	0	0
13	10/20/2020 10:38	0	0
14	10/20/2020 10:53	0	0
15	10/20/2020 11:08	0	0
16	10/20/2020 11:23	0	0
17	10/20/2020 11:38	0	0
18	10/20/2020 11:53	0	0

19	10/20/2020 12:08	0	0
20	10/20/2020 12:23	0	0
21	10/20/2020 12:38	0	0
22	10/20/2020 12:53	0	0
23	10/20/2020 13:08	0	0
24	10/20/2020 13:23	0	0.6
25	10/20/2020 13:38	0	0.8
26	10/20/2020 13:53	0	0.3

=====

20/10/21 07:05

Summary

Unit Name MiniRAE 3000(PGM-7320)

Unit SN 592-910787

Unit Firmware Ver V2.22

Running Mode Hygiene Mode

Datalog Mode Auto

Diagnostic Mode No

Stop Reason Power Down

Site ID 12345678

User ID 12345678

Begin 10/21/2020 7:05

End 10/21/2020 11:45

Sample Period(s) 900

Number of Records 18

Sensor PID(ppm)

Sensor SN S023030036Q6

Measure Type Avg; Max; Real

Span 100

Span 2 1000

Low Alarm 50

High Alarm 100

Over Alarm 15000

STEL Alarm 25

TWA Alarm 10

Measurement Gas Isobutylene

Calibration Time 10/16/2020 14:32

Peak 0

Min 0

Average 0

Datalog

Index	Date/Time	PID(ppm) (Avg)	PID(ppm) (Max)	PID(ppm) (Real)	
1	10/21/2020 7:20		0	0	0
2	10/21/2020 7:35		0	0	0
3	10/21/2020 7:50		0	0	0
4	10/21/2020 8:05		0	0	0
5	10/21/2020 8:20		0	0	0

6	10/21/2020 8:35	0	0	0
7	10/21/2020 8:50	0	0	0
8	10/21/2020 9:05	0	0	0
9	10/21/2020 9:20	0	0	0
10	10/21/2020 9:35	0	0	0
11	10/21/2020 9:50	0	0	0
12	10/21/2020 10:05	0	0	0
13	10/21/2020 10:20	0	0	0
14	10/21/2020 10:35	0	0	0
15	10/21/2020 10:50	0	0	0
16	10/21/2020 11:05	0	0	0
17	10/21/2020 11:20	0	0	0
18	10/21/2020 11:35	0	0	0
Peak		0	0	0
Min		0	0	0
Average		0	0	0

TWA/STEL

Index	Date/Time	PID(ppm) (TWA)	PID(ppm) (STEL)
1	10/21/2020 7:20	0	0
2	10/21/2020 7:35	0	0
3	10/21/2020 7:50	0	0
4	10/21/2020 8:05	0	0
5	10/21/2020 8:20	0	0
6	10/21/2020 8:35	0	0
7	10/21/2020 8:50	0	0
8	10/21/2020 9:05	0	0
9	10/21/2020 9:20	0	0
10	10/21/2020 9:35	0	0
11	10/21/2020 9:50	0	0
12	10/21/2020 10:05	0	0
13	10/21/2020 10:20	0	0
14	10/21/2020 10:35	0	0
15	10/21/2020 10:50	0	0
16	10/21/2020 11:05	0	0
17	10/21/2020 11:20	0	0
18	10/21/2020 11:35	0	0



APPENDIX 3

Laboratory Reports



ANALYTICAL REPORT

Lab Number:	L2037893
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	L3 HARRIS FORMER XEROX BLDG801
Project Number:	2200916
Report Date:	09/17/20

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Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2037893-01	TRENCH SPOILS-09-10-20	SOIL	1350 JEFFERSON RD., HENRIETTA	09/10/20 15:00	09/11/20
L2037893-02	STOCKPILE-09-10-20	SOIL	1350 JEFFERSON RD., HENRIETTA	09/10/20 15:15	09/11/20

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2037893-01 and -02: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 09/17/20

ORGANICS

VOLATILES

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

SAMPLE RESULTS

Lab ID: L2037893-01
Client ID: TRENCH SPOILS-09-10-20
Sample Location: 1350 JEFFERSON RD., HENRIETTA

Date Collected: 09/10/20 15:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/20 16:22
Analyst: MKS
Percent Solids: 91%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.2	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.67		ug/kg	0.52	0.20	1
Chlorobenzene	ND		ug/kg	0.52	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.1	0.72	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.52	0.17	1
Bromodichloromethane	ND		ug/kg	0.52	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.28	1
cis-1,3-Dichloropropene	ND		ug/kg	0.52	0.16	1
Bromoform	ND		ug/kg	4.1	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.52	0.17	1
Benzene	ND		ug/kg	0.52	0.17	1
Toluene	ND		ug/kg	1.0	0.56	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.1	0.96	1
Bromomethane	ND		ug/kg	2.1	0.60	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.47	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.52	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

SAMPLE RESULTS

Lab ID: L2037893-01
Client ID: TRENCH SPOILS-09-10-20
Sample Location: 1350 JEFFERSON RD., HENRIETTA

Date Collected: 09/10/20 15:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.58	1
o-Xylene	ND		ug/kg	1.0	0.30	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.95	1
Acetone	ND		ug/kg	10	5.0	1
Carbon disulfide	ND		ug/kg	10	4.7	1
2-Butanone	ND		ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.1	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.33	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.28	1
Methyl Acetate	ND		ug/kg	4.1	0.98	1
Cyclohexane	ND		ug/kg	10	0.56	1
1,4-Dioxane	ND		ug/kg	83	36.	1
Freon-113	ND		ug/kg	4.1	0.72	1
Methyl cyclohexane	ND		ug/kg	4.1	0.62	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	106		70-130
4-Bromofluorobenzene	106		70-130
Dibromofluoromethane	102		70-130

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

SAMPLE RESULTS

Lab ID: L2037893-02
Client ID: STOCKPILE-09-10-20
Sample Location: 1350 JEFFERSON RD., HENRIETTA

Date Collected: 09/10/20 15:15
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/16/20 17:02
Analyst: MKS
Percent Solids: 94%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.3	2.4	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.15	1
Chloroform	ND		ug/kg	1.6	0.15	1
Carbon tetrachloride	ND		ug/kg	1.0	0.24	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.13	1
Dibromochloromethane	ND		ug/kg	1.0	0.15	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.28	1
Tetrachloroethene	0.98		ug/kg	0.53	0.21	1
Chlorobenzene	ND		ug/kg	0.53	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.2	0.73	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.27	1
1,1,1-Trichloroethane	ND		ug/kg	0.53	0.18	1
Bromodichloromethane	ND		ug/kg	0.53	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.29	1
cis-1,3-Dichloropropene	ND		ug/kg	0.53	0.17	1
Bromoform	ND		ug/kg	4.2	0.26	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.53	0.17	1
Benzene	ND		ug/kg	0.53	0.17	1
Toluene	ND		ug/kg	1.0	0.57	1
Ethylbenzene	ND		ug/kg	1.0	0.15	1
Chloromethane	ND		ug/kg	4.2	0.98	1
Bromomethane	ND		ug/kg	2.1	0.61	1
Vinyl chloride	ND		ug/kg	1.0	0.35	1
Chloroethane	ND		ug/kg	2.1	0.48	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.25	1
trans-1,2-Dichloroethene	ND		ug/kg	1.6	0.14	1
Trichloroethene	ND		ug/kg	0.53	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.1	0.15	1



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

SAMPLE RESULTS

Lab ID: L2037893-02
Client ID: STOCKPILE-09-10-20
Sample Location: 1350 JEFFERSON RD., HENRIETTA

Date Collected: 09/10/20 15:15
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.1	0.16	1
1,4-Dichlorobenzene	ND		ug/kg	2.1	0.18	1
Methyl tert butyl ether	ND		ug/kg	2.1	0.21	1
p/m-Xylene	ND		ug/kg	2.1	0.59	1
o-Xylene	ND		ug/kg	1.0	0.31	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.21	1
Dichlorodifluoromethane	ND		ug/kg	10	0.96	1
Acetone	ND		ug/kg	10	5.1	1
Carbon disulfide	ND		ug/kg	10	4.8	1
2-Butanone	4.9	J	ug/kg	10	2.3	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.1	0.22	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.29	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.2	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.1	0.34	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.1	0.29	1
Methyl Acetate	ND		ug/kg	4.2	1.0	1
Cyclohexane	ND		ug/kg	10	0.57	1
1,4-Dioxane	ND		ug/kg	84	37.	1
Freon-113	ND		ug/kg	4.2	0.73	1
Methyl cyclohexane	ND		ug/kg	4.2	0.63	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	108		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/16/20 09:04
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410862-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/16/20 09:04
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410862-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	0.53	J	ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	0.40	J	ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/16/20 09:04
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01-02 Batch: WG1410862-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	114		70-130
Toluene-d8	104		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: L3 HARRIS FORMER XEROX BLDG801

Lab Number: L2037893

Project Number: 2200916

Report Date: 09/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410862-3 WG1410862-4								
Methylene chloride	90		88		70-130	2		30
1,1-Dichloroethane	86		86		70-130	0		30
Chloroform	99		98		70-130	1		30
Carbon tetrachloride	117		116		70-130	1		30
1,2-Dichloropropane	84		83		70-130	1		30
Dibromochloromethane	122		123		70-130	1		30
1,1,2-Trichloroethane	111		110		70-130	1		30
Tetrachloroethene	122		121		70-130	1		30
Chlorobenzene	106		106		70-130	0		30
Trichlorofluoromethane	128		125		70-139	2		30
1,2-Dichloroethane	100		99		70-130	1		30
1,1,1-Trichloroethane	113		111		70-130	2		30
Bromodichloromethane	108		109		70-130	1		30
trans-1,3-Dichloropropene	118		119		70-130	1		30
cis-1,3-Dichloropropene	99		100		70-130	1		30
Bromoform	131	Q	129		70-130	2		30
1,1,2,2-Tetrachloroethane	110		108		70-130	2		30
Benzene	93		92		70-130	1		30
Toluene	106		105		70-130	1		30
Ethylbenzene	111		111		70-130	0		30
Chloromethane	105		102		52-130	3		30
Bromomethane	95		94		57-147	1		30
Vinyl chloride	112		111		67-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: L3 HARRIS FORMER XEROX BLDG801

Lab Number: L2037893

Project Number: 2200916

Report Date: 09/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410862-3 WG1410862-4								
Chloroethane	92		91		50-151	1		30
1,1-Dichloroethene	102		100		65-135	2		30
trans-1,2-Dichloroethene	97		95		70-130	2		30
Trichloroethene	101		100		70-130	1		30
1,2-Dichlorobenzene	113		111		70-130	2		30
1,3-Dichlorobenzene	113		111		70-130	2		30
1,4-Dichlorobenzene	113		111		70-130	2		30
Methyl tert butyl ether	110		108		66-130	2		30
p/m-Xylene	111		110		70-130	1		30
o-Xylene	108		108		70-130	0		30
cis-1,2-Dichloroethene	96		93		70-130	3		30
Styrene	112		113		70-130	1		30
Dichlorodifluoromethane	187	Q	182	Q	30-146	3		30
Acetone	100		82		54-140	20		30
Carbon disulfide	81		79		59-130	3		30
2-Butanone	85		81		70-130	5		30
4-Methyl-2-pentanone	102		102		70-130	0		30
2-Hexanone	104		102		70-130	2		30
Bromochloromethane	97		97		70-130	0		30
1,2-Dibromoethane	114		115		70-130	1		30
1,2-Dibromo-3-chloropropane	122		125		68-130	2		30
Isopropylbenzene	115		111		70-130	4		30
1,2,3-Trichlorobenzene	120		117		70-130	3		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: L3 HARRIS FORMER XEROX BLDG801

Lab Number: L2037893

Project Number: 2200916

Report Date: 09/17/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-02 Batch: WG1410862-3 WG1410862-4								
1,2,4-Trichlorobenzene	122		118		70-130	3		30
Methyl Acetate	77		77		51-146	0		30
Cyclohexane	89		87		59-142	2		30
1,4-Dioxane	103		105		65-136	2		30
Freon-113	112		110		50-139	2		30
Methyl cyclohexane	102		101		70-130	1		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	109		109		70-130
Toluene-d8	104		105		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	101		102		70-130

INORGANICS & MISCELLANEOUS

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

SAMPLE RESULTS

Lab ID: L2037893-01
Client ID: TRENCH SPOILS-09-10-20
Sample Location: 1350 JEFFERSON RD., HENRIETTA

Date Collected: 09/10/20 15:00
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	90.7		%	0.100	NA	1	-	09/15/20 22:32	121,2540G	TR



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

SAMPLE RESULTS

Lab ID: L2037893-02
Client ID: STOCKPILE-09-10-20
Sample Location: 1350 JEFFERSON RD., HENRIETTA

Date Collected: 09/10/20 15:15
Date Received: 09/11/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	93.7		%	0.100	NA	1	-	09/15/20 22:32	121,2540G	TR



Project Name: L3 HARRIS FORMER XEROX BLDG801**Project Number:** 2200916**Lab Duplicate Analysis***Batch Quality Control***Lab Number:** L2037893**Report Date:** 09/17/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-02 QC Batch ID: WG1410267-1 QC Sample: L2037881-01 Client ID: DUP Sample						
Solids, Total	78.5	79.1	%	1		20

Project Name: L3 HARRIS FORMER XEROX BLDG801**Lab Number:** L2037893**Project Number:** 2200916**Report Date:** 09/17/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2037893-01A	Glass 120ml/4oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2037893-01X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L2037893-01Y	Vial Water preserved split	A	NA		3.9	Y	Absent	16-SEP-20 01:39	NYTCL-8260-R2(14)
L2037893-01Z	Vial Water preserved split	A	NA		3.9	Y	Absent	16-SEP-20 01:39	NYTCL-8260-R2(14)
L2037893-02A	Glass 120ml/4oz unpreserved	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2037893-02X	Vial MeOH preserved split	A	NA		3.9	Y	Absent		NYTCL-8260-R2(14)
L2037893-02Y	Vial Water preserved split	A	NA		3.9	Y	Absent	16-SEP-20 01:39	NYTCL-8260-R2(14)
L2037893-02Z	Vial Water preserved split	A	NA		3.9	Y	Absent	16-SEP-20 01:39	NYTCL-8260-R2(14)

Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: L3 HARRIS FORMER XEROX BLDG801
Project Number: 2200916

Lab Number: L2037893
Report Date: 09/17/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

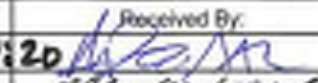
3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Wallop Dr. TEL: 508-898-9230 FAX: 508-898-9193		Service Centers Milwauk, NJ 07430: 25 Whitway Rd, Suite 8 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 9/12/20		ALPHA Job # L2037893											
Client Information Client: La Bella Address: 300 State St. Rochester, NY 14614 Phone: 585 454-6110 Fax: Email: m.pelychaty@labella.com		Project Information Project Name: L3 Hamm's Former Xerox Bldg B01 Project Location: 1350 Jefferson Rd., Henrietta Project # 2200916 (Use Project name as Project #) ☐ Project Manager: Mike Pelychaty ALPHAQuote #:		Deliverables ☐ ASP-A ☒ ASP-B ☐ EQUS (1 File) ☒ EQUS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO # 2200916		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWC Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge											
Turn-Around Time Standard ☒ Due Date: Rush (only if pre-approved) ☐ # of Days:		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		ANALYSIS TCU VOCs 8260		Sample Filtration ☐ Done ☐ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below)		Other project specific requirements/comments: Contact project manager w/questions Please specify Metals or TAL.											
These samples have been previously analyzed by Alpha ☐		ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		ANALYSIS		Sample Specific Comments					
37893-01		Trench Spoils-09-10-20		9/10/2020 15:00		Soil		ED		X		TCU VOCs 8260		X					
-02		Stockpile-09-10-20		↓ 15:15		Soil		ED		X		TCU VOCs 8260		X					
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = NaOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ KIE = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA035 Mansfield: Certification No: MA015		Container Type G		Preservative A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)		Release By: 		Date/Time: 9/11/2020 14:20		Received By: 		Date/Time: 9/11/2020 14:20	
Form No: 01-25 HC (rev. 30-Sept-2013)		9/12/2020 15:45		9/12/2020 14:05		9/12/2020 14:05		9/12/2020 14:05		9/12/2020 14:05		9/12/2020 14:05		9/12/2020 14:05					



ANALYTICAL REPORT

Lab Number:	L2040630
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	FORMER XEROX BUILDING 801-HARR
Project Number:	2200916
Report Date:	09/28/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2040630-01	SOIL PILE-02-C-092520	SOIL	1350 JEFFERSON RD, HENRIETTA NY	09/25/20 11:00	09/25/20

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/28/20

ORGANICS

VOLATILES

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2040630-01
Client ID: SOIL PILE-02-C-092520
Sample Location: 1350 JEFFERSON RD, HENRIETTA NY

Date Collected: 09/25/20 11:00
Date Received: 09/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/27/20 09:27
Analyst: AD
Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	0.99	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	0.99	0.23	1
1,2-Dichloropropane	ND		ug/kg	0.99	0.12	1
Dibromochloromethane	ND		ug/kg	0.99	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.99	0.26	1
Tetrachloroethene	ND		ug/kg	0.50	0.19	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.69	1
1,2-Dichloroethane	ND		ug/kg	0.99	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	0.99	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.16	1
Benzene	ND		ug/kg	0.50	0.16	1
Toluene	ND		ug/kg	0.99	0.54	1
Ethylbenzene	ND		ug/kg	0.99	0.14	1
Chloromethane	ND		ug/kg	4.0	0.93	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	0.99	0.33	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	0.99	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2040630-01
Client ID: SOIL PILE-02-C-092520
Sample Location: 1350 JEFFERSON RD, HENRIETTA NY

Date Collected: 09/25/20 11:00
Date Received: 09/25/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	0.99	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	0.99	0.17	1
Styrene	ND		ug/kg	0.99	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.9	0.91	1
Acetone	ND		ug/kg	9.9	4.8	1
Carbon disulfide	ND		ug/kg	9.9	4.5	1
2-Butanone	ND		ug/kg	9.9	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	9.9	1.3	1
2-Hexanone	ND		ug/kg	9.9	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.99	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	0.99	1
Isopropylbenzene	ND		ug/kg	0.99	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.94	1
Cyclohexane	ND		ug/kg	9.9	0.54	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.69	1
Methyl cyclohexane	ND		ug/kg	4.0	0.60	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	99		70-130
Dibromofluoromethane	97		70-130

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/27/20 09:06
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1415165-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/27/20 09:06
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1415165-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/27/20 09:06
 Analyst: AD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1415165-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	98		70-130
Dibromofluoromethane	91		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER XEROX BUILDING 801-HARR

Lab Number: L2040630

Project Number: 2200916

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1415165-3 WG1415165-4								
Methylene chloride	90		92		70-130	2		30
1,1-Dichloroethane	96		94		70-130	2		30
Chloroform	94		91		70-130	3		30
Carbon tetrachloride	93		89		70-130	4		30
1,2-Dichloropropane	100		94		70-130	6		30
Dibromochloromethane	95		96		70-130	1		30
1,1,2-Trichloroethane	96		97		70-130	1		30
Tetrachloroethene	99		95		70-130	4		30
Chlorobenzene	100		97		70-130	3		30
Trichlorofluoromethane	88		89		70-139	1		30
1,2-Dichloroethane	93		91		70-130	2		30
1,1,1-Trichloroethane	95		90		70-130	5		30
Bromodichloromethane	91		89		70-130	2		30
trans-1,3-Dichloropropene	96		94		70-130	2		30
cis-1,3-Dichloropropene	95		93		70-130	2		30
Bromoform	83		81		70-130	2		30
1,1,2,2-Tetrachloroethane	104		105		70-130	1		30
Benzene	98		93		70-130	5		30
Toluene	100		96		70-130	4		30
Ethylbenzene	103		100		70-130	3		30
Chloromethane	69		67		52-130	3		30
Bromomethane	125		122		57-147	2		30
Vinyl chloride	84		82		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER XEROX BUILDING 801-HARR

Project Number: 2200916

Lab Number: L2040630

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1415165-3 WG1415165-4								
Chloroethane	96		96		50-151	0		30
1,1-Dichloroethene	89		87		65-135	2		30
trans-1,2-Dichloroethene	91		90		70-130	1		30
Trichloroethene	100		96		70-130	4		30
1,2-Dichlorobenzene	100		99		70-130	1		30
1,3-Dichlorobenzene	102		99		70-130	3		30
1,4-Dichlorobenzene	101		100		70-130	1		30
Methyl tert butyl ether	83		86		66-130	4		30
p/m-Xylene	102		99		70-130	3		30
o-Xylene	100		98		70-130	2		30
cis-1,2-Dichloroethene	94		91		70-130	3		30
Styrene	101		100		70-130	1		30
Dichlorodifluoromethane	52		50		30-146	4		30
Acetone	92		99		54-140	7		30
Carbon disulfide	89		87		59-130	2		30
2-Butanone	80		89		70-130	11		30
4-Methyl-2-pentanone	97		100		70-130	3		30
2-Hexanone	90		96		70-130	6		30
Bromochloromethane	86		84		70-130	2		30
1,2-Dibromoethane	93		94		70-130	1		30
1,2-Dibromo-3-chloropropane	87		91		68-130	4		30
Isopropylbenzene	106		102		70-130	4		30
1,2,3-Trichlorobenzene	94		94		70-130	0		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER XEROX BUILDING 801-HARR

Project Number: 2200916

Lab Number: L2040630

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1415165-3 WG1415165-4								
1,2,4-Trichlorobenzene	94		92		70-130	2		30
Methyl Acetate	85		92		51-146	8		30
Cyclohexane	97		92		59-142	5		30
1,4-Dioxane	100		100		65-136	0		30
Freon-113	89		86		50-139	3		30
Methyl cyclohexane	96		92		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	91		94		70-130
Toluene-d8	102		103		70-130
4-Bromofluorobenzene	101		102		70-130
Dibromofluoromethane	90		90		70-130

INORGANICS & MISCELLANEOUS

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2040630-01
Client ID: SOIL PILE-02-C-092520
Sample Location: 1350 JEFFERSON RD, HENRIETTA NY

Date Collected: 09/25/20 11:00
Date Received: 09/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.8		%	0.100	NA	1	-	09/26/20 09:39	121,2540G	RI



Lab Duplicate Analysis
*Batch Quality Control***Project Name:** FORMER XEROX BUILDING 801-HARR**Project Number:** 2200916**Lab Number:** L2040630**Report Date:** 09/28/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1414880-1 QC Sample: L2039406-05 Client ID: DUP Sample						
Solids, Total	84.7	85.2	%	1		20

Project Name: FORMER XEROX BUILDING 801-HARR**Lab Number:** L2040630**Project Number:** 2200916**Report Date:** 09/28/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2040630-01A	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2040630-01B	Glass 120ml/4oz unpreserved	A	NA		2.9	Y	Absent		TS(7)
L2040630-01X	Vial MeOH preserved split	A	NA		2.9	Y	Absent		NYTCL-8260-R2(14)
L2040630-01Y	Vial Water preserved split	A	NA		2.9	Y	Absent	26-SEP-20 05:23	NYTCL-8260-R2(14)
L2040630-01Z	Vial Water preserved split	A	NA		2.9	Y	Absent	26-SEP-20 05:23	NYTCL-8260-R2(14)

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040630
Report Date: 09/28/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

[illegible]



ANALYTICAL REPORT

Lab Number:	L2040634
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	FORMER XEROX BUILDING 801-HARR
Project Number:	2200916
Report Date:	09/28/20

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2040634-01	SOIL PILE-01-C-092520	SOIL	1350 JEFFERSON RD, HENRIETTA, NY	09/25/20 07:00	09/25/20

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/28/20

ORGANICS

VOLATILES

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2040634-01
Client ID: SOIL PILE-01-C-092520
Sample Location: 1350 JEFFERSON RD, HENRIETTA, NY

Date Collected: 09/25/20 07:00
Date Received: 09/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/26/20 09:44
Analyst: AD
Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	5.0	2.3	1
1,1-Dichloroethane	ND		ug/kg	1.0	0.14	1
Chloroform	ND		ug/kg	1.5	0.14	1
Carbon tetrachloride	ND		ug/kg	1.0	0.23	1
1,2-Dichloropropane	ND		ug/kg	1.0	0.12	1
Dibromochloromethane	ND		ug/kg	1.0	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27	1
Tetrachloroethene	ND		ug/kg	0.50	0.20	1
Chlorobenzene	ND		ug/kg	0.50	0.13	1
Trichlorofluoromethane	ND		ug/kg	4.0	0.70	1
1,2-Dichloroethane	ND		ug/kg	1.0	0.26	1
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17	1
Bromodichloromethane	ND		ug/kg	0.50	0.11	1
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27	1
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16	1
Bromoform	ND		ug/kg	4.0	0.25	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17	1
Benzene	ND		ug/kg	0.50	0.17	1
Toluene	ND		ug/kg	1.0	0.55	1
Ethylbenzene	ND		ug/kg	1.0	0.14	1
Chloromethane	ND		ug/kg	4.0	0.94	1
Bromomethane	ND		ug/kg	2.0	0.58	1
Vinyl chloride	ND		ug/kg	1.0	0.34	1
Chloroethane	ND		ug/kg	2.0	0.45	1
1,1-Dichloroethene	ND		ug/kg	1.0	0.24	1
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14	1
Trichloroethene	ND		ug/kg	0.50	0.14	1
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14	1



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2040634-01
Client ID: SOIL PILE-01-C-092520
Sample Location: 1350 JEFFERSON RD, HENRIETTA, NY

Date Collected: 09/25/20 07:00
Date Received: 09/25/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15	1
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17	1
Methyl tert butyl ether	ND		ug/kg	2.0	0.20	1
p/m-Xylene	ND		ug/kg	2.0	0.56	1
o-Xylene	ND		ug/kg	1.0	0.29	1
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18	1
Styrene	ND		ug/kg	1.0	0.20	1
Dichlorodifluoromethane	ND		ug/kg	10	0.92	1
Acetone	ND		ug/kg	10	4.8	1
Carbon disulfide	ND		ug/kg	10	4.6	1
2-Butanone	ND		ug/kg	10	2.2	1
4-Methyl-2-pentanone	ND		ug/kg	10	1.3	1
2-Hexanone	ND		ug/kg	10	1.2	1
Bromochloromethane	ND		ug/kg	2.0	0.21	1
1,2-Dibromoethane	ND		ug/kg	1.0	0.28	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0	1
Isopropylbenzene	ND		ug/kg	1.0	0.11	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27	1
Methyl Acetate	ND		ug/kg	4.0	0.96	1
Cyclohexane	ND		ug/kg	10	0.55	1
1,4-Dioxane	ND		ug/kg	80	35.	1
Freon-113	ND		ug/kg	4.0	0.70	1
Methyl cyclohexane	ND		ug/kg	4.0	0.61	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	97		70-130
4-Bromofluorobenzene	104		70-130
Dibromofluoromethane	99		70-130

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/26/20 08:19
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1415145-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/26/20 08:19
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1415145-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/26/20 08:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1415145-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	104		70-130
Toluene-d8	102		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: FORMER XEROX BUILDING 801-HARR

Project Number: 2200916

Lab Number: L2040634

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1415145-3 WG1415145-4								
Methylene chloride	93		88		70-130	6		30
1,1-Dichloroethane	96		91		70-130	5		30
Chloroform	92		87		70-130	6		30
Carbon tetrachloride	96		89		70-130	8		30
1,2-Dichloropropane	94		92		70-130	2		30
Dibromochloromethane	96		92		70-130	4		30
1,1,2-Trichloroethane	93		93		70-130	0		30
Tetrachloroethene	96		90		70-130	6		30
Chlorobenzene	95		91		70-130	4		30
Trichlorofluoromethane	97		88		70-139	10		30
1,2-Dichloroethane	92		90		70-130	2		30
1,1,1-Trichloroethane	95		88		70-130	8		30
Bromodichloromethane	90		87		70-130	3		30
trans-1,3-Dichloropropene	93		91		70-130	2		30
cis-1,3-Dichloropropene	94		92		70-130	2		30
Bromoform	80		77		70-130	4		30
1,1,2,2-Tetrachloroethane	101		99		70-130	2		30
Benzene	95		90		70-130	5		30
Toluene	96		90		70-130	6		30
Ethylbenzene	99		94		70-130	5		30
Chloromethane	68		64		52-130	6		30
Bromomethane	135		116		57-147	15		30
Vinyl chloride	91		82		67-130	10		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER XEROX BUILDING 801-HARR

Project Number: 2200916

Lab Number: L2040634

Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1415145-3 WG1415145-4								
Chloroethane	98		90		50-151	9		30
1,1-Dichloroethene	93		86		65-135	8		30
trans-1,2-Dichloroethene	93		86		70-130	8		30
Trichloroethene	97		93		70-130	4		30
1,2-Dichlorobenzene	97		91		70-130	6		30
1,3-Dichlorobenzene	99		92		70-130	7		30
1,4-Dichlorobenzene	98		91		70-130	7		30
Methyl tert butyl ether	88		88		66-130	0		30
p/m-Xylene	98		92		70-130	6		30
o-Xylene	97		92		70-130	5		30
cis-1,2-Dichloroethene	91		88		70-130	3		30
Styrene	98		94		70-130	4		30
Dichlorodifluoromethane	61		55		30-146	10		30
Acetone	94		95		54-140	1		30
Carbon disulfide	94		84		59-130	11		30
2-Butanone	87		91		70-130	4		30
4-Methyl-2-pentanone	96		99		70-130	3		30
2-Hexanone	91		94		70-130	3		30
Bromochloromethane	85		84		70-130	1		30
1,2-Dibromoethane	92		91		70-130	1		30
1,2-Dibromo-3-chloropropane	87		89		68-130	2		30
Isopropylbenzene	104		93		70-130	11		30
1,2,3-Trichlorobenzene	92		86		70-130	7		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1415145-3 WG1415145-4								
1,2,4-Trichlorobenzene	92		85		70-130	8		30
Methyl Acetate	90		93		51-146	3		30
Cyclohexane	102		93		59-142	9		30
1,4-Dioxane	96		100		65-136	4		30
Freon-113	99		90		50-139	10		30
Methyl cyclohexane	101		92		70-130	9		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	95		95		70-130
Toluene-d8	101		99		70-130
4-Bromofluorobenzene	102		100		70-130
Dibromofluoromethane	88		88		70-130

INORGANICS & MISCELLANEOUS

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

SAMPLE RESULTS

Lab ID: L2040634-01
Client ID: SOIL PILE-01-C-092520
Sample Location: 1350 JEFFERSON RD, HENRIETTA, NY

Date Collected: 09/25/20 07:00
Date Received: 09/25/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.9		%	0.100	NA	1	-	09/26/20 09:39	121,2540G	RI



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Duplicate Analysis
Batch Quality Control

Lab Number: L2040634
Report Date: 09/28/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1414880-1 QC Sample: L2039406-05 Client ID: DUP Sample						
Solids, Total	84.7	85.2	%	1		20

Project Name: FORMER XEROX BUILDING 801-HARR**Lab Number:** L2040634**Project Number:** 2200916**Report Date:** 09/28/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2040634-01A	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2040634-01B	Glass 120ml/4oz unpreserved	A	NA		2.0	Y	Absent		TS(7)
L2040634-01X	Vial MeOH preserved split	A	NA		2.0	Y	Absent		NYTCL-8260-R2(14)
L2040634-01Y	Vial Water preserved split	A	NA		2.0	Y	Absent	26-SEP-20 05:23	NYTCL-8260-R2(14)
L2040634-01Z	Vial Water preserved split	A	NA		2.0	Y	Absent	26-SEP-20 05:23	NYTCL-8260-R2(14)

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: FORMER XEROX BUILDING 801-HARR
Project Number: 2200916

Lab Number: L2040634
Report Date: 09/28/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-8228 FAX: 508-898-8193		Service Centers Midway, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 100		Page 1 of 1		Date Rec'd in Lab 9/26/20		ALPHA Job # L2040634			
Client Information Client: LaBella Address: 300 State Street, Rochester NY Phone: 585-454-6110 Fax: ArdaSilva@Labellac.com Email: mpolyclady@labellac.com		Project Information Project Name: Former Xerox Building 801 - Harris Project Location: 1350 Jefferson Rd, Amherst, NY Project # 2200916 (Use Project name as Project #) ☐ Project Manager: Mike Pelychak ALPHAQuote # Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☒ # of Days: 1 day TAT		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #		Regulatory Requirements ☐ NY TOGG ☐ NY Part 375 ☐ AWW Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other:	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments: * 1 DAY TAT Please specify Metals or TAL.						ANALYSIS		Sample Filtration ☐ Done ☒ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments			
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials		TEL VAC	
40634-01		Soil Pile -01-L-09 25 20		9/25/2020 0740		Soil		ADD		TEL VAC	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₅ I = Zn Ac/NH ₄ OH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube Q = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA035 Mansfield: Certification No: MA015		Container Type A		Preservative A		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Relinquished By: [Signature]		Date/Time: 9/25/20 1324		Received By: R. C. [Signature]		Date/Time: 9/25/20 1410		Received By: [Signature]		Date/Time: 9/26/20 0700	



ANALYTICAL REPORT

Lab Number:	L2045745
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	1350 JEFFERSON-HARRIS
Project Number:	2200916
Report Date:	10/23/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2045745-01	SOIL PILE-FDOCK-01	SOIL	1350 JEFFERSON RD, HENRIETTA NY	10/21/20 12:15	10/21/20

Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 10/23/20

ORGANICS

VOLATILES

Project Name: 1350 JEFFERSON-HARRIS**Lab Number:** L2045745**Project Number:** 2200916**Report Date:** 10/23/20**SAMPLE RESULTS**

Lab ID: L2045745-01
 Client ID: SOIL PILE-FDOCK-01
 Sample Location: 1350 JEFFERSON RD, HENRIETTA NY

Date Collected: 10/21/20 12:15
 Date Received: 10/21/20
 Field Prep: Not Specified

Sample Depth:

Matrix: Soil
 Analytical Method: 1,8260C
 Analytical Date: 10/22/20 16:36
 Analyst: MKS
 Percent Solids: 92%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.11	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.11	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	ND		ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	ND		ug/kg	0.82	0.44	1
Ethylbenzene	ND		ug/kg	0.82	0.11	1
Chloromethane	ND		ug/kg	3.3	0.76	1
Bromomethane	ND		ug/kg	1.6	0.47	1
Vinyl chloride	ND		ug/kg	0.82	0.27	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.19	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1
Trichloroethene	ND		ug/kg	0.41	0.11	1
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1



Project Name: 1350 JEFFERSON-HARRIS**Lab Number:** L2045745**Project Number:** 2200916**Report Date:** 10/23/20**SAMPLE RESULTS****Lab ID:** L2045745-01**Date Collected:** 10/21/20 12:15**Client ID:** SOIL PILE-FDOCK-01**Date Received:** 10/21/20**Sample Location:** 1350 JEFFERSON RD, HENRIETTA NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	ND		ug/kg	1.6	0.46	1
o-Xylene	ND		ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	5.6	J	ug/kg	8.2	3.9	1
Carbon disulfide	ND		ug/kg	8.2	3.7	1
2-Butanone	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
2-Hexanone	ND		ug/kg	8.2	0.96	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.4	0.81	1
Isopropylbenzene	ND		ug/kg	0.82	0.09	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
Methyl Acetate	ND		ug/kg	3.3	0.77	1
Cyclohexane	ND		ug/kg	8.2	0.44	1
1,4-Dioxane	ND		ug/kg	65	29.	1
Freon-113	ND		ug/kg	3.3	0.56	1
Methyl cyclohexane	ND		ug/kg	3.3	0.49	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	103		70-130
Dibromofluoromethane	93		70-130

Project Name: 1350 JEFFERSON-HARRIS

Lab Number: L2045745

Project Number: 2200916

Report Date: 10/23/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 10/22/20 07:51
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1425075-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15



Project Name: 1350 JEFFERSON-HARRIS

Lab Number: L2045745

Project Number: 2200916

Report Date: 10/23/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/22/20 07:51

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1425075-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 1350 JEFFERSON-HARRIS**Lab Number:** L2045745**Project Number:** 2200916**Report Date:** 10/23/20**Method Blank Analysis**
Batch Quality Control

Analytical Method: 1,8260C

Analytical Date: 10/22/20 07:51

Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 01 Batch: WG1425075-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	100		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	94		70-130

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON-HARRIS

Project Number: 2200916

Lab Number: L2045745

Report Date: 10/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1425075-3 WG1425075-4								
Methylene chloride	91		94		70-130	3		30
1,1-Dichloroethane	99		101		70-130	2		30
Chloroform	102		102		70-130	0		30
Carbon tetrachloride	101		101		70-130	0		30
1,2-Dichloropropane	101		102		70-130	1		30
Dibromochloromethane	104		106		70-130	2		30
1,1,2-Trichloroethane	101		101		70-130	0		30
Tetrachloroethene	101		104		70-130	3		30
Chlorobenzene	102		104		70-130	2		30
Trichlorofluoromethane	101		103		70-139	2		30
1,2-Dichloroethane	100		101		70-130	1		30
1,1,1-Trichloroethane	102		103		70-130	1		30
Bromodichloromethane	103		101		70-130	2		30
trans-1,3-Dichloropropene	101		102		70-130	1		30
cis-1,3-Dichloropropene	104		103		70-130	1		30
Bromoform	104		100		70-130	4		30
1,1,2,2-Tetrachloroethane	104		101		70-130	3		30
Benzene	100		101		70-130	1		30
Toluene	100		102		70-130	2		30
Ethylbenzene	101		102		70-130	1		30
Chloromethane	87		86		52-130	1		30
Bromomethane	98		100		57-147	2		30
Vinyl chloride	97		99		67-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON-HARRIS

Project Number: 2200916

Lab Number: L2045745

Report Date: 10/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1425075-3 WG1425075-4								
Chloroethane	95		98		50-151	3		30
1,1-Dichloroethene	97		99		65-135	2		30
trans-1,2-Dichloroethene	97		100		70-130	3		30
Trichloroethene	102		104		70-130	2		30
1,2-Dichlorobenzene	100		101		70-130	1		30
1,3-Dichlorobenzene	104		104		70-130	0		30
1,4-Dichlorobenzene	102		103		70-130	1		30
Methyl tert butyl ether	97		98		66-130	1		30
p/m-Xylene	104		104		70-130	0		30
o-Xylene	104		104		70-130	0		30
cis-1,2-Dichloroethene	99		100		70-130	1		30
Styrene	105		106		70-130	1		30
Dichlorodifluoromethane	92		93		30-146	1		30
Acetone	93		91		54-140	2		30
Carbon disulfide	89		91		59-130	2		30
2-Butanone	94		88		70-130	7		30
4-Methyl-2-pentanone	96		94		70-130	2		30
2-Hexanone	96		93		70-130	3		30
Bromochloromethane	101		102		70-130	1		30
1,2-Dibromoethane	103		103		70-130	0		30
1,2-Dibromo-3-chloropropane	100		99		68-130	1		30
Isopropylbenzene	103		102		70-130	1		30
1,2,3-Trichlorobenzene	98		100		70-130	2		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON-HARRIS

Project Number: 2200916

Lab Number: L2045745

Report Date: 10/23/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 01 Batch: WG1425075-3 WG1425075-4								
1,2,4-Trichlorobenzene	104		103		70-130	1		30
Methyl Acetate	90		90		51-146	0		30
Cyclohexane	94		94		59-142	0		30
1,4-Dioxane	112		108		65-136	4		30
Freon-113	97		99		50-139	2		30
Methyl cyclohexane	99		99		70-130	0		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	99		96		70-130
Toluene-d8	99		100		70-130
4-Bromofluorobenzene	100		99		70-130
Dibromofluoromethane	96		95		70-130

INORGANICS & MISCELLANEOUS

Project Name: 1350 JEFFERSON-HARRIS**Project Number:** 2200916**Lab Number:** L2045745**Report Date:** 10/23/20**SAMPLE RESULTS****Lab ID:** L2045745-01**Client ID:** SOIL PILE-FDOCK-01**Sample Location:** 1350 JEFFERSON RD, HENRIETTA NY**Date Collected:** 10/21/20 12:15**Date Received:** 10/21/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	91.5		%	0.100	NA	1	-	10/22/20 08:29	121,2540G	RI



Lab Duplicate Analysis
Batch Quality Control

Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1425019-1 QC Sample: L2045567-01 Client ID: DUP Sample						
Solids, Total	88.3	88.6	%	0		20

Project Name: 1350 JEFFERSON-HARRIS**Lab Number:** L2045745**Project Number:** 2200916**Report Date:** 10/23/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2045745-01A	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2045745-01B	Glass 120ml/4oz unpreserved	A	NA		3.2	Y	Absent		TS(7)
L2045745-01X	Vial MeOH preserved split	A	NA		3.2	Y	Absent		NYTCL-8260-R2(14)
L2045745-01Y	Vial Water preserved split	A	NA		3.2	Y	Absent	22-OCT-20 09:18	NYTCL-8260-R2(14)
L2045745-01Z	Vial Water preserved split	A	NA		3.2	Y	Absent	22-OCT-20 09:18	NYTCL-8260-R2(14)

Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 1350 JEFFERSON-HARRIS
Project Number: 2200916

Lab Number: L2045745
Report Date: 10/23/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Wallop Dr. TEL: 508-898-9220 FAX: 508-898-9100		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 278 Cooper Ave, Suite 105		Page 1 of 1		Date Rec'd in Lab 10/22/20		ALPHA Job # L2045745	
Client Information Client: LaBella Address: 300 State St. Rochester NY Phone: 585-454-6110 Fax: Adeline@labellape.com Email: Mpdylch@labellape.com		Project Information Project Name: 1350 Jefferson - Harris Project Location: 1350 Jefferson Ave, Henrietta NY Project # 2200916 (Use Project name as Project #) ☐ Project Manager: Mike Paly chety ALPHAQuote #:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQutS (1 File) ☐ EQutS (4 File) ☐ Other		Billing Information ☒ Same as Client Info PO #		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge	
Turn-Around Time Standard ☐ Due Date: Rush (only if pre approved) ☒ # of Days: 2 day TAT		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☒ NY ☐ Other:		Other project specific requirements/comments: 2 DAY TAT		ANALYSIS		Sample Filtration ☐ Done ☒ Lab to do ☐ Preservation ☐ Lab to do (Please Specify below) Sample Specific Comments	
These samples have been previously analyzed by Alpha ☐		Please specify Metals or TAL		ANALYSIS		ANALYSIS		ANALYSIS	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
45745-01		Soil Pit - FROCK - 01		10/21/20 12:15		Soil		ADL	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ I/E = Zn AcNaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type Preservative		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	
Retinquished By:		Date/Time:		Received By:		Date/Time:		Date/Time:	
[Signature]		10/21/20 12:48		[Signature]		10/21/20 12:40		10/22/20 01:45	



ANALYTICAL REPORT

Lab Number:	L2026179
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	1350 JEFFERSON RD
Project Number:	2200916
Report Date:	06/29/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2026179-01	WC-06222020	SOIL	HENRIETTA, NY	06/22/20 15:00	06/22/20

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:



Jennifer L Clements

Title: Technical Director/Representative

Date: 06/29/20

ORGANICS

VOLATILES

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

SAMPLE RESULTS

Lab ID: L2026179-01
Client ID: WC-06222020
Sample Location: HENRIETTA, NY

Date Collected: 06/22/20 15:00
Date Received: 06/22/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 06/25/20 20:13
Analyst: JC
Percent Solids: 57%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	7.3	3.4	1
1,1-Dichloroethane	ND		ug/kg	1.5	0.21	1
Chloroform	2.7		ug/kg	2.2	0.20	1
Carbon tetrachloride	ND		ug/kg	1.5	0.34	1
1,2-Dichloropropane	ND		ug/kg	1.5	0.18	1
Dibromochloromethane	ND		ug/kg	1.5	0.20	1
1,1,2-Trichloroethane	ND		ug/kg	1.5	0.39	1
Tetrachloroethene	ND		ug/kg	0.73	0.29	1
Chlorobenzene	ND		ug/kg	0.73	0.19	1
Trichlorofluoromethane	ND		ug/kg	5.9	1.0	1
1,2-Dichloroethane	ND		ug/kg	1.5	0.38	1
1,1,1-Trichloroethane	ND		ug/kg	0.73	0.24	1
Bromodichloromethane	ND		ug/kg	0.73	0.16	1
trans-1,3-Dichloropropene	ND		ug/kg	1.5	0.40	1
cis-1,3-Dichloropropene	ND		ug/kg	0.73	0.23	1
Bromoform	ND		ug/kg	5.9	0.36	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.73	0.24	1
Benzene	ND		ug/kg	0.73	0.24	1
Toluene	ND		ug/kg	1.5	0.80	1
Ethylbenzene	ND		ug/kg	1.5	0.21	1
Chloromethane	ND		ug/kg	5.9	1.4	1
Bromomethane	ND		ug/kg	2.9	0.85	1
Vinyl chloride	ND		ug/kg	1.5	0.49	1
Chloroethane	ND		ug/kg	2.9	0.66	1
1,1-Dichloroethene	ND		ug/kg	1.5	0.35	1
trans-1,2-Dichloroethene	ND		ug/kg	2.2	0.20	1
Trichloroethene	ND		ug/kg	0.73	0.20	1
1,2-Dichlorobenzene	ND		ug/kg	2.9	0.21	1



Project Name: 1350 JEFFERSON RD**Lab Number:** L2026179**Project Number:** 2200916**Report Date:** 06/29/20**SAMPLE RESULTS****Lab ID:** L2026179-01**Date Collected:** 06/22/20 15:00**Client ID:** WC-06222020**Date Received:** 06/22/20**Sample Location:** HENRIETTA, NY**Field Prep:** Not Specified**Sample Depth:**

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/kg	2.9	0.22	1
1,4-Dichlorobenzene	ND		ug/kg	2.9	0.25	1
Methyl tert butyl ether	ND		ug/kg	2.9	0.29	1
p/m-Xylene	0.86	J	ug/kg	2.9	0.82	1
o-Xylene	ND		ug/kg	1.5	0.43	1
cis-1,2-Dichloroethene	ND		ug/kg	1.5	0.26	1
Styrene	ND		ug/kg	1.5	0.29	1
Dichlorodifluoromethane	ND		ug/kg	15	1.3	1
Acetone	160		ug/kg	15	7.0	1
Carbon disulfide	ND		ug/kg	15	6.7	1
2-Butanone	170		ug/kg	15	3.2	1
4-Methyl-2-pentanone	ND		ug/kg	15	1.9	1
2-Hexanone	ND		ug/kg	15	1.7	1
Bromochloromethane	ND		ug/kg	2.9	0.30	1
1,2-Dibromoethane	ND		ug/kg	1.5	0.41	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	4.4	1.5	1
Isopropylbenzene	ND		ug/kg	1.5	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	2.9	0.47	1
1,2,4-Trichlorobenzene	ND		ug/kg	2.9	0.40	1
Methyl Acetate	ND		ug/kg	5.9	1.4	1
Cyclohexane	ND		ug/kg	15	0.80	1
1,4-Dioxane	ND		ug/kg	120	51.	1
Freon-113	ND		ug/kg	5.9	1.0	1
Methyl cyclohexane	ND		ug/kg	5.9	0.88	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	99		70-130
Toluene-d8	101		70-130
4-Bromofluorobenzene	100		70-130
Dibromofluoromethane	106		70-130

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/25/20 19:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1386354-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 06/25/20 19:19
Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1386354-5					
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 06/25/20 19:19
 Analyst: MKS

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1386354-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	103		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	101		70-130
Dibromofluoromethane	104		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON RD

Project Number: 2200916

Lab Number: L2026179

Report Date: 06/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1386354-3 WG1386354-4								
Methylene chloride	90		85		70-130	6		30
1,1-Dichloroethane	90		91		70-130	1		30
Chloroform	90		89		70-130	1		30
Carbon tetrachloride	84		85		70-130	1		30
1,2-Dichloropropane	93		93		70-130	0		30
Dibromochloromethane	85		86		70-130	1		30
1,1,2-Trichloroethane	88		86		70-130	2		30
Tetrachloroethene	86		84		70-130	2		30
Chlorobenzene	85		86		70-130	1		30
Trichlorofluoromethane	85		85		70-139	0		30
1,2-Dichloroethane	88		87		70-130	1		30
1,1,1-Trichloroethane	87		86		70-130	1		30
Bromodichloromethane	90		89		70-130	1		30
trans-1,3-Dichloropropene	89		88		70-130	1		30
cis-1,3-Dichloropropene	93		92		70-130	1		30
Bromoform	78		83		70-130	6		30
1,1,2,2-Tetrachloroethane	86		86		70-130	0		30
Benzene	89		90		70-130	1		30
Toluene	84		85		70-130	1		30
Ethylbenzene	84		85		70-130	1		30
Chloromethane	80		80		52-130	0		30
Bromomethane	78		81		57-147	4		30
Vinyl chloride	78		81		67-130	4		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON RD

Project Number: 2200916

Lab Number: L2026179

Report Date: 06/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1386354-3 WG1386354-4								
Chloroethane	75		72		50-151	4		30
1,1-Dichloroethene	79		76		65-135	4		30
trans-1,2-Dichloroethene	88		86		70-130	2		30
Trichloroethene	86		87		70-130	1		30
1,2-Dichlorobenzene	84		85		70-130	1		30
1,3-Dichlorobenzene	83		85		70-130	2		30
1,4-Dichlorobenzene	84		84		70-130	0		30
Methyl tert butyl ether	88		86		66-130	2		30
p/m-Xylene	86		88		70-130	2		30
o-Xylene	86		87		70-130	1		30
cis-1,2-Dichloroethene	88		88		70-130	0		30
Styrene	86		87		70-130	1		30
Dichlorodifluoromethane	74		74		30-146	0		30
Acetone	99		91		54-140	8		30
Carbon disulfide	78		73		59-130	7		30
2-Butanone	87		85		70-130	2		30
4-Methyl-2-pentanone	84		85		70-130	1		30
2-Hexanone	81		78		70-130	4		30
Bromochloromethane	93		91		70-130	2		30
1,2-Dibromoethane	87		87		70-130	0		30
1,2-Dibromo-3-chloropropane	85		86		68-130	1		30
Isopropylbenzene	82		84		70-130	2		30
1,2,3-Trichlorobenzene	86		87		70-130	1		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON RD

Project Number: 2200916

Lab Number: L2026179

Report Date: 06/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1386354-3 WG1386354-4								
1,2,4-Trichlorobenzene	84		86		70-130	2		30
Methyl Acetate	95		91		51-146	4		30
Cyclohexane	87		88		59-142	1		30
1,4-Dioxane	91		88		65-136	3		30
Freon-113	82		79		50-139	4		30
Methyl cyclohexane	86		88		70-130	2		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	100		98		70-130
Toluene-d8	99		99		70-130
4-Bromofluorobenzene	99		97		70-130
Dibromofluoromethane	102		103		70-130

INORGANICS & MISCELLANEOUS

Project Name: 1350 JEFFERSON RD

Project Number: 2200916

Lab Number: L2026179

Report Date: 06/29/20

SAMPLE RESULTS

Lab ID: L2026179-01

Client ID: WC-06222020

Sample Location: HENRIETTA, NY

Date Collected: 06/22/20 15:00

Date Received: 06/22/20

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	57.4		%	0.100	NA	1	-	06/23/20 13:54	121,2540G	RI



Lab Duplicate Analysis *Batch Quality Control*

Project Name: 1350 JEFFERSON RD

Project Number: 2200916

Lab Number: L2026179

Report Date: 06/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1384958-1 QC Sample: L2026190-01 Client ID: DUP Sample						
Solids, Total	93.5	94.3	%	1		20

Project Name: 1350 JEFFERSON RD**Lab Number:** L2026179**Project Number:** 2200916**Report Date:** 06/29/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information**Cooler** **Custody Seal**

A Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2026179-01A	Glass 120ml/4oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2026179-01B	Glass 250ml/8oz unpreserved	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2026179-01X	Vial MeOH preserved split	A	NA		4.1	Y	Absent		NYTCL-8260-R2(14)
L2026179-01Y	Vial Water preserved split	A	NA		4.1	Y	Absent	24-JUN-20 13:47	NYTCL-8260-R2(14)
L2026179-01Z	Vial Water preserved split	A	NA		4.1	Y	Absent	24-JUN-20 13:47	NYTCL-8260-R2(14)

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
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- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.
- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration

Report Format: DU Report with 'J' Qualifiers



Project Name: 1350 JEFFERSON RD
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Data Qualifiers

Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Project Name: 1350 JEFFERSON RD
Project Number: 2200916

Lab Number: L2026179
Report Date: 06/29/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - IV, 2007.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene,

3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

[illegible]



APPENDIX 4

Imported Material Documentation

Crusher Run #2 Stone

Pelychaty, Mike

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Thursday, September 17, 2020 12:19 PM
To: Pelychaty, Mike
Cc: Pratt, David (DEC)
Subject: Re: Request to Import - NYSDEC Site #828069, 1350 Jefferson Road, Henrietta, New York
Attachments: C828069.2020-09.No.1 Crusher Run Stone Request to Import FINAL.PDF;
C828069.2020-09.No.2 Crusher Run Stone Request to Import FINAL.PDF

Mike,
I have reviewed your request to import Crusher Run #1 and #2 stone to the Xerox-Henrietta Site (828069) as part of the approved change in use.

The requests for both materials are approved.

Please let me know if you have any questions. Thanks.

-Todd

Due to the COVID-19 Health Crisis, I will mainly be working from home until further notice. Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 | Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Pelychaty, Mike <mpelychaty@LaBellaPC.com>
Sent: Tuesday, September 15, 2020 10:14 AM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Subject: Request to Import - NYSDEC Site #C828069, 1350 Jefferson Road, Henrietta, New York

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Todd,

Attached are two request to import submission. Based on the gradation analysis they appear to be exempt from testing.

Please let me know if you have any questions.

-Mike

Michael Pelychaty, PG

LaBella Associates | Sr. Environmental Geologist



585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The material is classified as #1 Crusher Run Stone, and based on the attached sieve analysis it is exempt from testing per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The material is classified as #2 Crusher Run Stone, and based on the attached sieve analysis it is exempt from testing per DER-10.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

The Dolomite Group

Location where fill was obtained:

Dolomite's Penfield Quarry - 746 Whalen Road, Penfield, NY

Identification of any state or local approvals as a fill source:

DEC Mine File #80021

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Attached sieve/gradation analysis from dolomite

The information provided on this form is accurate and complete.

Michael F. Pelychaty

9/15/2020

Signature

Date

Michael F. Pelychaty

Print Name

LaBella Associates, DPC

Firm

THE DOLOMITE GROUP

DOLOMITE PRODUCTS COMPANY, INC
 MANITOU CONSTRUCTION COMPANY, INC
 ROCHESTER ASPHALT MATERIALS
 IROQUOIS ROCK PRODUCTS
 NORTHRUP MATERIALS

**MATERIAL SUBMITTAL**

1150 Penfield Road
 Rochester, N.Y. 14625
 Phone: (585) 381-7010
 Fax : (585) 381-0208

DATE: 8/27/20
PAGE: 1 of 1

TO: Dave Martello
OF: LeChase Construction

PROJECT: L3 Harris Site

CRUSHED STONE: Penfield Plant

NYSDOT Source #: 4-4R / 4-4RS
Current NYSDOT Test #: 19 AR 073 / 19 AR 074S

This is to certify that the Crushed Stone to be used on the above referenced project will be produced in accordance with the most current New York State Department of Transportation's, "Standard Specifications" and Addenda. All stone properties conform to sections 703.0201, 203, 304, 605 and 620 of the Specification. Specific values are listed below.

PROPERTY	VALUE	SPEC.
Mag. Sulfate Loss	4	18 max.
LA Abrasion Loss	24	35 max.
Flat and Elongated Pieces - 3:1 5:1	4	30 max.
	0	10 max.
Crushed Particles	100	n.a.
Deleterious Materials	0	2 max.

TYPICAL GRADATIONS (All Values are % Passing)						
SIEVE SIZE	CRUSHER RUN #2	CRUSHER RUN #1	#1 STONE	#2 STONE	#1 & #2 BLEND	#1AW STONE
4" (100 mm)						
2" (50)	100					
1 1/2" (37.5)				100	100	
1" (25)	78	100	100	94	97	
1/2" (12.5)	57		91	14	53	100
1/4" (6.3)	38	54	14	2	8	92
#40 (0.425)	9	12				
#80 (.0177)	3	3	1	1	1	
#200 (0.075)	5	7	0.6	0.1	0.3	0.5
Typical Item Numbers	203.____ 304.____		605.0901		CA 2 ASTM 57	605.1001

LIGHT STONE FILL

SIZE	VALUE	SPEC
Lighter Than 100 Lbs.	100	90 - 100
Larger Than 6"	55	50 - 100
Smaller Than 1/2"	8	0 - 10

Notes:

- 1) Proctor Density typically runs at approx 142 +/-2 pcf at 6-8% Moisture.(For Crusher Run products only)
- 2) Medium and Heavy Stone Fill Items are selected at time of purchase to satisfy project requirements.

Signed By: *Christopher McClurg*

Christopher McClurg - Sales Representative



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010
 GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
 MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
 PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
 OGDEN 585-352-0460

9/29/2020 12:13 pm
 Customer: 901064
 Job: 10
 Deliver To:
00902 - Penfield Stone
 LE CHASE CONSTRUCTION SERVICE
 L3Harris Site Jefferson Rd. 2090038.02

P.O.:
 Product: 00003 CR-2"
 Pile #: 5MJD
 Vehicle: 84679JS - dreher mj tri
 Zone: 475 Haul Code: -- Haul Units: 0.00
 Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Weighmaster: Michelle 540106

Ticket No.: 103583
 COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	70,780	35.39
Tare:	28,980	14.49
Net:	41,800	20.90

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 82.79 Loads: 4	
Todate: 394.85	



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010
 GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
 MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
 PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
 OGDEN 585-352-0460

9/29/2020 9:12 am
 Customer: 901064
 Job: 10
 Deliver To:
00902 - Penfield Stone
 LE CHASE CONSTRUCTION SERVICE
 L3Harris Site Jefferson Rd. 2090038.02

P.O.:
 Product: 00003 CR-2"
 Pile #: 5MJD
 Vehicle: 84679JS - dreher mj tri
 Zone: 475 Haul Code: -- Haul Units: 0.00
 Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Weighmaster: Michelle 540106

Ticket No.: 103524
 COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	71,040	35.52
Tare:	28,980	14.49
Net:	42,060	21.03

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 41.88 Loads: 2	
Todate: 353.94	



GATES
MANCHESTER
PENFIELD

585-235-9292
585-462-2752
585-586-2567
585-524-2771
315-331-2360
585-768-7295
585-352-0460
BROCKPORT
HOWARD
BATH

MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

9/29/2020 1:01 pm
Customer: 901064
Job: 10
Deliver To:
00902 - Penfield Stone
LE CHASE CONSTRUCTION SERVICE
L3Harris Site Jefferson Rd. 2090038.02

P.O.:
Product: 00003
Pile #: CR-2"

Vehicle: 5MJD
Zone: 475
Haul Code: -- Haul Units: 0.00

Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103600
COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	70,080	35.04
Tare:	28,980	14.49
Net:	41,100	20.55

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 103.34 Loads: 5
Todate: 415.40

Weighmaster: Michelle 540106



GATES
MANCHESTER
PENFIELD

585-235-9292
585-462-2752
585-586-2567
585-524-2771
315-331-2360
585-768-7295
585-352-0460
BROCKPORT
HOWARD
BATH

MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

9/29/2020 1:55 pm
Customer: 901064
Job: 10
Deliver To:
00902 - Penfield Stone
LE CHASE CONSTRUCTION SERVICE
L3Harris Site Jefferson Rd. 2090038.02

P.O.:
Product: 00003
Pile #: CR-2"

Vehicle: 5MJD
Zone: 475
Haul Code: -- Haul Units: 0.00

Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103625
COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	69,220	34.61
Tare:	28,980	14.49
Net:	40,240	20.12

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 123.46 Loads: 6
Todate: 435.52

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010
 GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
 MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
 PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
 OGDEN 585-352-0460

9/29/2020 8:21 am
 Customer: 901064
 Job: 10
 Deliver To:
 00902 - Penfield Stone
 LE CHASE CONSTRUCTION SERVICE
 L3Harris Site Jefferson Rd. 2090038.02

P.O.:
 Product: 00003 CR-2"
 Pile #: 5MJD
 Vehicle: 475
 Zone: 475
 Received:
 84679JS - dreher mj tri
 Haul Code: -- Haul Units: 0.00

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103506

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	70,680	35.34
Tare:	28,980	14.49
Net:	41,700	20.85

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 20.85 Loads: 1	
Todate: 332.91	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010
 GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
 MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
 PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
 OGDEN 585-352-0460

9/29/2020 11:20 am
 Customer: 901064
 Job: 10
 Deliver To:
 00902 - Penfield Stone
 LE CHASE CONSTRUCTION SERVICE
 L3Harris Site Jefferson Rd. 2090038.02

P.O.:
 Product: 00003 CR-2"
 Pile #: 5MJD
 Vehicle: 475
 Zone: 475
 Received:
 84679JS - dreher mj tri
 Haul Code: -- Haul Units: 0.00

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103567

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	69,000	34.50
Tare:	28,980	14.49
Net:	40,020	20.01

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 61.89 Loads: 3	
Todate: 373.95	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010
GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-788-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/30/2020 9:31 am
Customer: 901064
Job: 10
Deliver To:
00902 - Penfield Stone
LE CHASE CONSTRUCTION SERVICE
L3Harris Site Jefferson Rd. 2090038.02

P.O.:
Product: 00003
Pile #: CR-2"
Vehicle: N066
Zone: 475
Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010
GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-788-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/29/2020 2:42 pm
Customer: 901064
Job: 10
Deliver To:
00902 - Penfield Stone
LE CHASE CONSTRUCTION SERVICE
L3Harris Site Jefferson Rd. 2090038.02

P.O.:
Product: 00003
Pile #: CR-2"
Vehicle: 5MJD
Zone: 475
Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103716
COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	71,920	35.96
Tare:	28,700	14.35
Net:	43,220	21.61

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 43.43 Loads: 2
Todate: 499.72

Weighmaster: Michelle 540106

Ticket No.: 103642
COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	70,520	35.26
Tare:	28,980	14.49
Net:	41,540	20.77

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 144.23 Loads: 7
Todate: 456.29

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-788-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

9/30/2020 8:35 am
Customer: 901064
Job: 10
Deliver To:

00902 - Penfield Stone
LE CHASE CONSTRUCTION SERVICE
L3Harris Site Jefferson Rd. 2090038.02

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: N066 30688MD - njb trucking 01 freig
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

Ticket No.: 103690
COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,340	36.17
Tare:	28,700	14.35
Net:	43,640	21.82

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 21.82 Loads: 1
Totals: 478.11

Weighmaster: Michelle 540106

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292	WALWORTH 315-524-2771	BROCKPORT 585-637-8834
MANCHESTER 315-462-2752	PALMYRA 315-331-2380	HOWARD 607-586-3422
PENFIELD 585-586-2567	LEROY 585-768-7295	BATH 607-776-3357
	OGDEN 585-352-0460	

10/21/2020 8:02 am **00902 - Penfield Stone**
 Customer: 901066 **LE CESSE CONSTRUCTION CO**
 Job: 01 ****PO NEEDED**MISC TAXABLE**
 Deliver To: jefferson rd

P.O.:
Product: 00003 CR-2"
 Pile #:
 Vehicle: CT-07 **CUTAIA07 06 Freig Cutaia**
 Zone: None **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: **106183**
 COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	65,440	32.72
Tare:	25,960	12.98
Net:	39,480	19.74

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 19.74 Loads: 1	
Todate: 87.63	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292	WALWORTH 315-524-2771	BROCKPORT 585-637-8834
MANCHESTER 315-462-2752	PALMYRA 315-331-2380	HOWARD 607-586-3422
PENFIELD 585-586-2567	LEROY 585-768-7295	BATH 607-776-3357
	OGDEN 585-352-0460	

10/21/2020 9:50 am **00902 - Penfield Stone**
 Customer: 901066 **LE CESSE CONSTRUCTION CO**
 Job: 01 ****PO NEEDED**MISC TAXABLE**
 Deliver To: jefferson rd

P.O.:
Product: 00003 CR-2"
 Pile #:
 Vehicle: CT-07 **CUTAIA07 06 Freig Cutaia**
 Zone: None **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: **106204**
 COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	66,520	33.26
Tare:	25,960	12.98
Net:	40,560	20.28

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 40.02 Loads: 2	
Todate: 107.91	

Weighmaster: Michelle 540106

Iroquois Stone
5251 Sweden-Walker Road
Brockport, NY 14420
(585) 637-6834

Date: 09/29/20

Ticket #: 81871

Time: 06:55

Plant: 00921

*** Delivery ***

Customer: 901064

Job: 10

LE CHASE CONSTRUCTION SERVICE

L3Harris Site Jefferson Rd. 209003

205 INDIGO CREEK DRIVE

ROCHESTER, NY 14626

254-3510

P.O.#:

Carrier: 0

NO CARRIER

Phase: 01

Truck: 5MJD

Default Phase

License: 84679JS

Zone: 475

Product: 00003

\$4.75 Haul Charge

CR-2"

JMF:

(Daily) Loads: 1 Amount: 20.57 TN 18.66 Mg

(To-Date) Loads: 1 Amount: 20.57 TN 18.66 Mg

Gross: 35.12 TN 70240 lb 31.86 Mg

Tare: 14.55 TN 29100 lb 13.20 Mg

Net: 20.57 TN 41140 lb 18.66 Mg

1350

Received By:

Weighmaster: PAT 260159



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/07/2020 7:25 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 13954MJ - Valley View 02 Mack
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104619

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,740	34.87
Tare:	26,160	13.08
Net:	43,580	21.79

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 21.79 Loads: 1
Totals: 543.41

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/07/2020 8:18 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 13954MJ - Valley View 02 Mack
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104641

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	68,460	34.23
Tare:	26,160	13.08
Net:	42,300	21.15

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 42.94 Loads: 2
Totals: 564.56

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/07/2020 9:09 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 13954MJ - Valley View 02 Mack
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104673

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	65,040	32.52
Tare:	26,160	13.08
Net:	38,880	19.44

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 62.38 Loads: 3
Totals: 584.00

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-837-8834
MANCHESTER	315-462-2752	PALMYRA	315-331-2380	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/07/2020 10:06 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:

Product: 00003 CR-2"

Pile #:

Vehicle: VV07 13954MJ - Valley View 02 Mack

Zone: 475 Haul Code: -- Haul Units: 0.00

Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104700

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,080	34.54
Tare:	26,160	13.08
Net:	42,920	21.46

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 83.84 Loads: 4
Totals: 605.46

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-837-8834
MANCHESTER	315-462-2752	PALMYRA	315-331-2380	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/07/2020 10:56 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:

Product: 00003 CR-2"

Pile #:

Vehicle: VV07 13954MJ - Valley View 02 Mack

Zone: 475 Haul Code: -- Haul Units: 0.00

Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104719

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	71,240	35.62*
Tare:	26,160	13.08
Net:	45,080	22.54

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 106.38 Loads: 5
Totals: 628.00

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

10/07/2020 11:46 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 13954MJ - Valley View 02 Mack
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104737

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	71,000	35.50*
Tare:	26,160	13.08
Net:	44,840	22.42

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 128.80 Loads: 6
Todate: 650.42

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

10/07/2020 12:38 pm **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 13954MJ - Valley View 02 Mack
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 104754

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,800	34.90
Tare:	26,160	13.08
Net:	43,640	21.82

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 150.62 Loads: 7
Todate: 672.24

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/12/2020 7:28 am **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 **13954MJ - Valley View 02 Mack**
Zone: 475 **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 105103

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,240	35.12
Tare:	26,160	13.08
Net:	44,080	22.04

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 22.04 Loads: 1	
Todate: 694.28	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/12/2020 8:12 am **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 **13954MJ - Valley View 02 Mack**
Zone: 475 **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 105117

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,500	35.25
Tare:	26,160	13.08
Net:	44,340	22.17

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 44.21 Loads: 2	
Todate: 716.45	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/12/2020 8:59 am **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: VV07 **13954MJ - Valley View 02 Mack**
Zone: 475 **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 105145

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,900	34.95
Tare:	26,160	13.08
Net:	43,740	21.87

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 66.08 Loads: 3	
Todate: 738.32	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010
GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-788-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/30/2020 10:24 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: N066 30688MD - njb trucking 01 freig
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010
GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-788-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/30/2020 10:24 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00003 CR-2"
Pile #:
Vehicle: N066 30688MD - njb trucking 01 freig
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103743
COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,500	36.25
Tare:	28,700	14.35
Net:	43,800	21.90

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 65.33 Loads: 3	
Todate: 521.62	

Weighmaster: Michelle 540106

Ticket No.: 103743
COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	72,500	36.25
Tare:	28,700	14.35
Net:	43,800	21.90

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 65.33 Loads: 3	
Todate: 521.62	

Weighmaster: Michelle 540106

Duplicate



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

0/12/2020 10:24 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:

Product: 00003 CR-2"

File #:

Vehicle: VV07 13954MJ - Valley View 02 Mack

Zone: 475 Haul Code: -- Haul Units: 0.00

Received:

is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling of incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.:

105182

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,280	35.14
Tare:	26,160	13.08
Net:	44,120	22.06

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 88.14 Loads: 4
Todate: 760.38

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

0/12/2020 11:18 am **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:

Product: 00003 CR-2"

File #:

Vehicle: VV07 13954MJ - Valley View 02 Mack

Zone: 475 Haul Code: -- Haul Units: 0.00

Received:

is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling of incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.:

105208

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,560	34.78
Tare:	26,160	13.08
Net:	43,400	21.70

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 109.84 Loads: 5
Todate: 782.08

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

0/12/2020 12:07 pm **00902 - Penfield Stone**
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:

Product: 00003 CR-2"

File #:

Vehicle: VV07 13954MJ - Valley View 02 Mack

Zone: 475 Haul Code: -- Haul Units: 0.00

Received:

is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling of incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.:

105226

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,600	35.30
Tare:	26,160	13.08
Net:	44,440	22.22

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 132.06 Loads: 6
Todate: 804.30

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010
 GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
 MANCHESTER 315-462-2752 PALMYRA 315-331-2380 HOWARD 607-566-3422
 PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
 OGDEN 585-352-0460

9/30/2020 10:24 am
 Customer: 901064
 Job: 10
 Deliver To:
 00902 - Penfield Stone
 LE CHASE CONSTRUCTION SERVICE
 L3Harris Site Jefferson Rd. 2090038.02

P.O.:
 Product: 00003 CR-2"
 Pile #: 30688MD - njb trucking 01 freig
 Vehicle: N066
 Zone: 475 Haul Code: -- Haul Units: 0.00
 Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103743
 COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,500	36.25
Tare:	28,700	14.35
Net:	43,800	21.90

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 65.33 Loads: 3	
Todate: 521.62	

Weighmaster: Michelle 540108



MAIN OFFICE 1150 PENFIELD RD.
 ROCHESTER, NY 14625 585-381-7010
 GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
 MANCHESTER 315-462-2752 PALMYRA 315-331-2380 HOWARD 607-566-3422
 PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
 OGDEN 585-352-0460

10/12/2020 12:07 pm
 Customer: 901064
 Job: 10
 Deliver To:
 00902 - Penfield Stone
 LE CHASE CONSTRUCTION SERVICE
 L3Harris Site Jefferson Rd. 2090038.02

P.O.:
 Product: 00003 CR-2"
 Pile #: 13954MJ - Valley View 02 Mack
 Vehicle: VV07
 Zone: 475 Haul Code: -- Haul Units: 0.00
 Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 105226
 COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,600	35.30
Tare:	26,160	13.08
Net:	44,440	22.22

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 132.06 Loads: 6	
Todate: 804.30	

Weighmaster: Michelle 540108



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-4834
MANCHESTER	315-462-2752	PALMYRA	315-331-2380	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

0/12/2020 10:24 am **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: **00003 CR-2"**
File #:
Vehicle: **VV07 13954MJ - Valley View 02 Mack**
Phone: **475 Haul Code: -- Haul Units: 0.00**
Received:

is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling of incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: **105182**

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,280	35.14
Tare:	26,160	13.08
Net:	44,120	22.06

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 88.14	Loads: 4
Todate: 760.38	

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-4834
MANCHESTER	315-462-2752	PALMYRA	315-331-2380	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/12/2020 11:18 am **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: **00003 CR-2"**
File #:
Vehicle: **VV07 13954MJ - Valley View 02 Mack**
Phone: **475 Haul Code: -- Haul Units: 0.00**
Received:

is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling of incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: **105208**

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,560	34.78
Tare:	26,160	13.08
Net:	43,400	21.70

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today: 109.84	Loads: 5
Todate: 782.08	

Weighmaster: Michelle 540106

Crusher Run #1 Stone

Pelychaty, Mike

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Thursday, September 17, 2020 12:19 PM
To: Pelychaty, Mike
Cc: Pratt, David (DEC)
Subject: Re: Request to Import - NYSDEC Site #828069, 1350 Jefferson Road, Henrietta, New York
Attachments: C828069.2020-09.No.1 Crusher Run Stone Request to Import FINAL.PDF;
C828069.2020-09.No.2 Crusher Run Stone Request to Import FINAL.PDF

Mike,
I have reviewed your request to import Crusher Run #1 and #2 stone to the Xerox-Henrietta Site (828069) as part of the approved change in use.

The requests for both materials are approved.

Please let me know if you have any questions. Thanks.

-Todd

Due to the COVID-19 Health Crisis, I will mainly be working from home until further notice. Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 | Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Pelychaty, Mike <mpelychaty@LaBellaPC.com>
Sent: Tuesday, September 15, 2020 10:14 AM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Subject: Request to Import - NYSDEC Site #C828069, 1350 Jefferson Road, Henrietta, New York

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Todd,

Attached are two request to import submission. Based on the gradation analysis they appear to be exempt from testing.

Please let me know if you have any questions.

-Mike

Michael Pelychaty, PG

LaBella Associates | Sr. Environmental Geologist



585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The material is classified as #1 Crusher Run Stone, and based on the attached sieve analysis it is exempt from testing per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

The material is classified as #1 Crusher Run Stone, and based on the attached sieve analysis it is exempt from testing per DER-10.

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

The Dolomite Group

Location where fill was obtained:

Dolomite's Penfield Quarry - 746 Whalen Road, Penfield, NY

Identification of any state or local approvals as a fill source:

DEC Mine File #80021

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Attached sieve/gradation analysis from dolomite

The information provided on this form is accurate and complete.

Michael F. Pelychaty

Signature

9/15/2020

Date

Michael F. Pelychaty

Print Name

LaBella Associates, DPC

Firm

THE DOLOMITE GROUP

DOLOMITE PRODUCTS COMPANY, INC
 MANITOU CONSTRUCTION COMPANY, INC
 ROCHESTER ASPHALT MATERIALS
 IROQUOIS ROCK PRODUCTS
 NORTHRUP MATERIALS

**MATERIAL SUBMITTAL**

1150 Penfield Road
 Rochester, N.Y. 14625
 Phone: (585) 381-7010
 Fax : (585) 381-0208

DATE: 8/27/20
PAGE: 1 of 1

TO: Dave Martello
OF: LeChase Construction

PROJECT: L3 Harris Site

CRUSHED STONE: Penfield Plant

NYSDOT Source #: 4-4R / 4-4RS
Current NYSDOT Test #: 19 AR 073 / 19 AR 074S

This is to certify that the Crushed Stone to be used on the above referenced project will be produced in accordance with the most current New York State Department of Transportation's, "Standard Specifications" and Addenda. All stone properties conform to sections 703.0201, 203, 304, 605 and 620 of the Specification. Specific values are listed below.

PROPERTY	VALUE	SPEC.
Mag. Sulfate Loss	4	18 max.
LA Abrasion Loss	24	35 max.
Flat and Elongated Pieces - 3:1 5:1	4	30 max.
	0	10 max.
Crushed Particles	100	n.a.
Deleterious Materials	0	2 max.

TYPICAL GRADATIONS (All Values are % Passing)						
SIEVE SIZE	CRUSHER RUN #2	CRUSHER RUN #1	#1 STONE	#2 STONE	#1 & #2 BLEND	#1AW STONE
4" (100 mm)						
2" (50)	100					
1 1/2" (37.5)				100	100	
1" (25)	78	100	100	94	97	
1/2" (12.5)	57		91	14	53	100
1/4" (6.3)	38	54	14	2	8	92
#40 (0.425)	9	12				
#80 (.0177)	3	3	1	1	1	
#200 (0.075)	5	7	0.6	0.1	0.3	0.5
Typical Item Numbers	203.____ 304.____		605.0901		CA 2 ASTM 57	605.1001

LIGHT STONE FILL		
SIZE	VALUE	SPEC
Lighter Than 100 Lbs.	100	90 - 100
Larger Than 6"	55	50 - 100
Smaller Than 1/2"	8	0 - 10

Notes:

- 1) Proctor Density typically runs at approx 142 +/-2 pcf at 6-8% Moisture.(For Crusher Run products only)
- 2) Medium and Heavy Stone Fill Items are selected at time of purchase to satisfy project requirements.

Signed By: *Christopher McClurg*

Christopher McClurg - Sales Representative



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/30/2020 1:28 pm **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: 00002 **CR-1"**
Pile #: **30688MD - njb trucking 01 freig**
Vehicle: N066 **Haul Code: -- Haul Units: 0.00**
Zone: 475
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103824
COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	69,420	34.71
Tare:	28,700	14.35
Net:	40,720	20.36

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 63.53 Loads: 3
Totals: 63.53

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-8834
MANCHESTER 315-462-2752 PALMYRA 315-331-2360 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

9/30/2020 2:41 pm **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: 00002 **CR-1"**
Pile #: **30688MD - njb trucking 01 freig**
Vehicle: N066 **Haul Code: -- Haul Units: 0.00**
Zone: 475
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 103851
COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,460	36.23
Tare:	28,700	14.35
Net:	43,760	21.88

Ordered:
Received:
Remaining:

Tax ID: 2605 / Monroe County
Today: 85.41 Loads: 4
Totals: 85.41

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2380 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

Ticket No.: 31468

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	73,700	36.85
Tare:	28,300	14.15
Net:	45,400	22.70

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	22.70 Loads: 1
Todate:	22.70

Weighmaster: Judy Leusch

10/01/2020 7:03 am 00909 - OGDEN STONE
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00002 CR-1"
Pile #:
Vehicle: 21MJD 40186mn - Dreher 14 Peter
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2380 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

Ticket No.: 103780

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	72,240	36.12
Tare:	28,700	14.35
Net:	43,540	21.77

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	21.77 Loads: 1
Todate:	21.77

Weighmaster: Michelle 540106

9/30/2020 11:43 am 00902 - Penfield Stone
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00002 CR-1"
Pile #:
Vehicle: N066 30688MD - njb trucking 01 freig
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES 585-235-9292 WALWORTH 315-524-2771 BROCKPORT 585-637-6834
MANCHESTER 315-462-2752 PALMYRA 315-331-2380 HOWARD 607-566-3422
PENFIELD 585-586-2567 LEROY 585-768-7295 BATH 607-776-3357
OGDEN 585-352-0460

Ticket No.: 103798

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	71,500	35.75
Tare:	28,700	14.35
Net:	42,800	21.40

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	43.17 Loads: 2
Todate:	43.17

Weighmaster: Michelle 540106

9/30/2020 12:33 pm 00902 - Penfield Stone
Customer: 901064 LE CHASE CONSTRUCTION SERVICE
Job: 10 L3Harris Site Jefferson Rd. 2090038.02
Deliver To:

P.O.:
Product: 00002 CR-1"
Pile #:
Vehicle: N066 30688MD - njb trucking 01 freig
Zone: 475 Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

5/8" Stone

Pelychaty, Mike

From: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Sent: Thursday, October 8, 2020 7:42 AM
To: Pelychaty, Mike
Cc: Jason.D.Scott@L3Harris.com; Pratt, David (DEC)
Subject: Re: Request to Import - NYSDEC Site #C828069, 1350 Jefferson Road, Henrietta, New York
Attachments: C828069.2020-10.Five Eight Inch Stone Request to Import FINAL.PDF

I have reviewed that attached request along with the sample data provided. This material is approved for import to the above referenced site.

-Todd

Due to the COVID-19 Health Crisis, I will mainly be working from home until further notice. Please e-mail if you need to reach me. If you need immediate assistance, please contact our unit secretary, Teri Cotter, at teri.cotter@dec.ny.gov or 585-226-5353, and she will direct your inquiry.

Todd M. Caffoe, P.E.

Division of Environmental Remediation

New York State Department of Environmental Conservation

6274 East Avon-Lima Road, Avon, NY 14414

P: (585) 226-5350 | Todd.Caffoe@dec.ny.gov

www.dec.ny.gov |

From: Pelychaty, Mike <mpelychaty@LaBellaPC.com>
Sent: Wednesday, October 7, 2020 6:27 PM
To: Caffoe, Todd (DEC) <todd.caffoe@dec.ny.gov>
Cc: Jason.D.Scott@L3Harris.com <Jason.D.Scott@L3Harris.com>
Subject: Request to Import - NYSDEC Site #C828069, 1350 Jefferson Road, Henrietta, New York

ATTENTION: This email came from an external source. Do not open attachments or click on links from unknown senders or unexpected emails.

Todd,

Attached is a request to import 5/8" stone from the Dolomite plant in Penfield, NY. Based on the test results the material appears acceptable for import and use at the site.

Please let me know if you have any questions.

-Mike

Michael Pelychaty, PG

LaBella Associates | Sr. Environmental Geologist



585-295-6253 **direct**
585-454-6110 **office**
300 State Street, Suite 201
Rochester, NY 14614
labellapc.com



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



Request to Import/Reuse Fill or Soil

This form is based on the information required by DER-10, Section 5.4(e). Use of this form is not a substitute for reading the applicable Technical Guidance document.

SECTION 1 – SITE BACKGROUND

The allowable site use is:

Have Ecological Resources been identified?

Is this soil originating from the site?

How many cubic yards of soil will be imported/reused?

If greater than 1000 cubic yards will be imported, enter volume to be imported:

SECTION 2 – MATERIAL OTHER THAN SOIL

Is the material to be imported gravel, rock or stone?

Does it contain less than 10%, by weight, material that would pass a size 80 sieve?

Is this virgin material from a permitted mine or quarry?

Is this material recycled concrete or brick from a DEC registered processing facility?

SECTION 3 - SAMPLING

Provide a brief description of the number and type of samples collected in the space below:

The material is classified as 5/8" Stone. Two grab samples were collected for VOCs and 1 composite sample was collected from 5 discrete locations on the soil pile for SVOCs, Metals, PCBs, Pesticides, and PFAS per DER-10.

Example Text: 5 discrete samples were collected and analyzed for VOCs. 2 composite samples were collected and analyzed for SVOCs, Inorganics & PCBs/Pesticides.

If the material meets requirements of DER-10 section 5.5 (other material), no chemical testing needed.

SECTION 3 CONT'D - SAMPLING

Provide a brief written summary of the sampling results or attach evaluation tables (compare to DER-10, Appendix 5):

All sample results are below the 6NYCRR Part 375-6.8(a) Unrestricted Use SCOs as summarized on Tables 1-5 (attached).

Example Text: Arsenic was detected up to 17 ppm in 1 (of 5) samples; the allowable level is 16 ppm.

If Ecological Resources have been identified use the "If Ecological Resources are Present" column in Appendix 5.

SECTION 4 – SOURCE OF FILL

Name of person providing fill and relationship to the source:

The Dolomite Group

Location where fill was obtained:

Dolomite's Penfield Quarry - 746 Whalen Road, Penfield, NY

Identification of any state or local approvals as a fill source:

DEC Mine File #80021

If no approvals are available, provide a brief history of the use of the property that is the fill source:

Provide a list of supporting documentation included with this request:

Lab Report ID L2039424

The information provided on this form is accurate and complete.

Michael F. Pelychaty

Signature

10/6/2020

Date

Michael F. Pelychaty

Print Name

LaBella Associates, DPC

Firm

TABLE 1

Request to Import 5/8 Inch Stone
1350 Jefferson Road, Henrietta, NY
Volatile Organic Compounds
LaBella Project #2200916



SAMPLE ID:	CAS #	Units	NYSDE DER-10 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4¢ for Commercial or Industrial Use	6NCR Part 375-6.8(b) Restricted Use SCOs for a Commercial Site	6NYCRR Part 375-6.8(a) Unrestricted Use SCOs	S-02			S-03		
LAB ID:						L2039424-02			L2039424-03		
COLLECTION DATE:						9/18/2020			9/18/2020		
SAMPLE MATRIX:						SOIL			SOIL		
						Conc	Q	MDL	Conc	Q	MDL
VOLATILE ORGANICS											
Methylene chloride	75-09-2	mg/kg	0.05	500	0.05	ND		0.0019	ND		0.0022
1,1-Dichloroethane	75-34-3	mg/kg	0.27	240	0.27	ND		0.00012	ND		0.00014
Chloroform	67-66-3	mg/kg	0.37	350	0.37	ND		0.00012	ND		0.00014
Carbon tetrachloride	56-23-5	mg/kg	0.76	22	0.76	ND		0.00019	ND		0.00022
1,2-Dichloropropane	78-87-5	mg/kg	NL	NL	NL	ND		0.0001	ND		0.00012
Dibromochloromethane	124-48-1	mg/kg	NL	NL	NL	ND		0.00012	ND		0.00014
1,1,2-Trichloroethane	79-00-5	mg/kg	NL	NL	NL	ND		0.00022	ND		0.00026
Tetrachloroethene	127-18-4	mg/kg	1.3	150	1.3	0.0013		0.00016	0.00078		0.00019
Chlorobenzene	108-90-7	mg/kg	1.1	500	1.1	ND		0.0001	ND		0.00012
Trichlorofluoromethane	75-69-4	mg/kg	NL	NL	NL	ND		0.00057	ND		0.00067
1,2-Dichloroethane	107-06-2	mg/kg	0.02	30	0.02	ND		0.00021	ND		0.00025
1,1,1-Trichloroethane	71-55-6	mg/kg	0.68	500	0.68	ND		0.00014	ND		0.00016
Bromodichloromethane	75-27-4	mg/kg	NL	NL	NL	ND		0.00009	ND		0.0001
trans-1,3-Dichloropropene	10061-02-6	mg/kg	NL	NL	NL	ND		0.00022	ND		0.00026
cis-1,3-Dichloropropene	10061-01-5	mg/kg	NL	NL	NL	ND		0.00013	ND		0.00015
1,3-Dichloropropene, Total	542-75-6	mg/kg	NL	NL	NL	ND		0.00013	ND		0.00015
Bromoform	75-25-2	mg/kg	NL	NL	NL	ND		0.0002	ND		0.00024
1,1,2,2-Tetrachloroethane	79-34-5	mg/kg	NL	NL	NL	ND		0.00014	ND		0.00016
Benzene	71-43-2	mg/kg	0.06	44	0.06	ND		0.00014	ND		0.00016
Toluene	108-88-3	mg/kg	0.7	500	0.7	0.0012		0.00045	ND		0.00052
Ethylbenzene	100-41-4	mg/kg	1	390	1	ND		0.00012	ND		0.00014
Chloromethane	74-87-3	mg/kg	NL	NL	NL	ND		0.00077	ND		0.0009
Bromomethane	74-83-9	mg/kg	NL	NL	NL	ND		0.00048	ND		0.00056
Vinyl chloride	75-01-4	mg/kg	0.02	13	0.02	ND		0.00028	ND		0.00032
Chloroethane	75-00-3	mg/kg	NL	NL	NL	ND		0.00037	ND		0.00044
1,1-Dichloroethene	75-35-4	mg/kg	0.33	500	0.33	ND		0.0002	ND		0.00023
trans-1,2-Dichloroethene	156-60-5	mg/kg	0.19	500	0.19	ND		0.00011	ND		0.00013
Trichloroethene	79-01-6	mg/kg	0.47	200	0.47	ND		0.00011	ND		0.00013
1,2-Dichlorobenzene	95-50-1	mg/kg	1.1	500	1.1	ND		0.00012	ND		0.00014
1,3-Dichlorobenzene	541-73-1	mg/kg	2.4	280	2.4	ND		0.00012	ND		0.00014
1,4-Dichlorobenzene	106-46-7	mg/kg	1.8	130	1.8	ND		0.00014	ND		0.00016
Methyl tert butyl ether	1634-04-4	mg/kg	0.93	500	0.93	ND		0.00016	ND		0.00019
p/m-Xylene	179601-23-1	mg/kg	NL	NL	NL	0.00052	J	0.00046	ND		0.00054
o-Xylene	95-47-6	mg/kg	NL	NL	NL	ND		0.00024	ND		0.00028
Xylenes, Total	1330-20-7	mg/kg	1.6	500	0.26	0.00052	J	0.00024	ND		0.00028
cis-1,2-Dichloroethene	156-59-2	mg/kg	0.25	500	0.25	ND		0.00014	ND		0.00017
1,2-Dichloroethene, Total	540-59-0	mg/kg	NL	NL	NL	ND		0.00011	ND		0.00013
Styrene	100-42-5	mg/kg	NL	NL	NL	ND		0.00016	ND		0.00019
Dichlorodifluoromethane	75-71-8	mg/kg	NL	NL	NL	ND		0.00075	ND		0.00088
Acetone	67-64-1	mg/kg	0.05	500	0.05	ND		0.004	ND		0.0046
Carbon disulfide	75-15-0	mg/kg	NL	NL	NL	ND		0.0037	ND		0.0044
2-Butanone	78-93-3	mg/kg	0.12	500	0.12	ND		0.0018	ND		0.0021
4-Methyl-2-pentanone	108-10-1	mg/kg	NL	NL	NL	ND		0.001	ND		0.0012
2-Hexanone	591-78-6	mg/kg	NL	NL	NL	ND		0.00097	ND		0.0011
Bromochloromethane	74-97-5	mg/kg	NL	NL	NL	ND		0.00017	ND		0.0002
1,2-Dibromoethane	106-93-4	mg/kg	NL	NL	NL	ND		0.00023	ND		0.00027
n-Butylbenzene	104-51-8	mg/kg	12	500	12	ND		0.00014	ND		0.00016
sec-Butylbenzene	135-98-8	mg/kg	11	500	11	ND		0.00012	ND		0.00014
tert-Butylbenzene	98-06-6	mg/kg	5.9	500	5.9	ND		0.0001	ND		0.00011
1,2-Dibromo-3-chloropropane	96-12-8	mg/kg	NL	NL	NL	ND		0.00082	ND		0.00096
Isopropylbenzene	98-82-8	mg/kg	NL	NL	NL	ND		0.00009	ND		0.0001
p-Isopropyltoluene	99-87-6	mg/kg	NL	NL	NL	ND		0.00009	ND		0.0001
Naphthalene	91-20-3	mg/kg	12	500	12	ND		0.00053	ND		0.00063
n-Propylbenzene	103-65-1	mg/kg	3.9	500	3.9	ND		0.00014	ND		0.00016
1,2,3-Trichlorobenzene	87-61-6	mg/kg	NL	NL	NL	ND		0.00026	ND		0.00031
1,2,4-Trichlorobenzene	120-82-1	mg/kg	NL	NL	NL	ND		0.00022	ND		0.00026
1,3,5-Trimethylbenzene	108-67-8	mg/kg	8.4	190	8.4	0.00031	J	0.00016	ND		0.00019
1,2,4-Trimethylbenzene	95-63-6	mg/kg	3.6	190	3.6	0.00038	J	0.00027	ND		0.00032
Methyl Acetate	79-20-9	mg/kg	NL	NL	NL	ND		0.00078	ND		0.00092
Cyclohexane	110-82-7	mg/kg	NL	NL	NL	ND		0.00045	ND		0.00053
1,4-Dioxane	123-91-1	mg/kg	0.1	130	0.1	ND		0.029	ND		0.034
Freon-113	76-13-1	mg/kg	NL	NL	NL	ND		0.00057	ND		0.00067
Methyl cyclohexane	108-87-2	mg/kg	NL	NL	NL	ND		0.0005	ND		0.00058

NOTES:

mg/kg = milligrams per kilogram

NL indicates not listed

ND indicates not detected above the method detection limit

Q - Qualifier

Conc - Concentration

MDL - Method Detection Limit

J denotes estimated result

TABLE 2

Request to Import 5/8 Inch Stone

1350 Jefferson Road, Henrietta, NY

Semi-Volatile Organic Compounds and 1,4-Dioxane

LaBella Project #2200916



SAMPLE ID:	CAS #	Units	NYSDE DER-10 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4E for Commercial or Industrial Use	6NTCRR Part375-6.8(b) Restricted Use SCOs for a Commercial Site	6NYCRR Part 375-6.8(a) Unrestricted Use SCOs	S-01		
LAB ID:						L2039424-01		
COLLECTION DATE:						9/18/2020		
SAMPLE MATRIX:						SOIL		
						Conc	Q	MDL
SEMIVOLATILE ORGANICS								
Acenaphthene	83-32-9	mg/kg	98	500	20	ND		0.017
Hexachlorobenzene	118-74-1	mg/kg	3.2	6	0.33	ND		0.019
Bis(2-chloroethyl)ether	111-44-4	mg/kg	NL	NL	NL	ND		0.022
2-Chloronaphthalene	91-58-7	mg/kg	NL	NL	NL	ND		0.016
3,3'-Dichlorobenzidine	91-94-1	mg/kg	NL	NL	NL	ND		0.044
2,4-Dinitrotoluene	121-14-2	mg/kg	NL	NL	NL	ND		0.033
2,6-Dinitrotoluene	606-20-2	mg/kg	NL	NL	NL	ND		0.028
Fluoranthene	206-44-0	mg/kg	500	500	100	0.16		0.019
4-Chlorophenyl phenyl ether	7005-72-3	mg/kg	NL	NL	NL	ND		0.018
4-Bromophenyl phenyl ether	101-55-3	mg/kg	NL	NL	NL	ND		0.025
Bis(2-chloroisopropyl)ether	108-60-1	mg/kg	NL	NL	NL	ND		0.028
Bis(2-chloroethoxy)methane	111-91-1	mg/kg	NL	NL	NL	ND		0.017
Hexachlorobutadiene	87-68-3	mg/kg	NL	NL	NL	ND		0.024
Hexachlorocyclopentadiene	77-47-4	mg/kg	NL	NL	NL	ND		0.15
Hexachloroethane	67-72-1	mg/kg	NL	NL	NL	ND		0.027
Isophorone	78-59-1	mg/kg	NL	NL	NL	ND		0.022
Naphthalene	91-20-3	mg/kg	12	500	12	ND		0.02
Nitrobenzene	98-95-3	mg/kg	NL	NL	NL	ND		0.025
NDPA/DPA	86-30-6	mg/kg	NL	NL	NL	ND		0.019
n-Nitrosodi-n-propylamine	621-64-7	mg/kg	NL	NL	NL	ND		0.026
Bis(2-ethylhexyl)phthalate	117-81-7	mg/kg	NL	NL	NL	ND		0.058
Butyl benzyl phthalate	85-68-7	mg/kg	NL	NL	NL	ND		0.042
Di-n-butylphthalate	84-74-2	mg/kg	NL	NL	NL	ND		0.032
Di-n-octylphthalate	117-84-0	mg/kg	NL	NL	NL	ND		0.056
Diethyl phthalate	84-66-2	mg/kg	NL	NL	NL	ND		0.015
Dimethyl phthalate	131-11-3	mg/kg	NL	NL	NL	ND		0.035
Benzo(a)anthracene	56-55-3	mg/kg	1	5.6	1	0.052	J	0.019
Benzo(a)pyrene	50-32-8	mg/kg	1	1	1	0.054	J	0.041
Benzo(b)fluoranthene	205-99-2	mg/kg	1.7	5.6	1	0.1		0.028
Benzo(k)fluoranthene	207-08-9	mg/kg	1.7	56	0.8	ND		0.027
Chrysene	218-01-9	mg/kg	1	56	1	0.074	J	0.017
Acenaphthylene	208-96-8	mg/kg	107	500	100	ND		0.026
Anthracene	120-12-7	mg/kg	500	500	100	ND		0.032
Benzo(ghi)perylene	191-24-2	mg/kg	500	500	100	0.051	J	0.02
Fluorene	86-73-7	mg/kg	386	500	30	ND		0.016
Phenanthrene	85-01-8	mg/kg	500	500	100	0.086	J	0.02
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.56	0.56	0.33	ND		0.019
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	5.6	5.6	0.5	0.052	J	0.023
Pyrene	129-00-0	mg/kg	500	500	100	0.12		0.016
Biphenyl	92-52-4	mg/kg	NL	NL	NL	ND		0.039
4-Chloroaniline	106-47-8	mg/kg	NL	NL	NL	ND		0.03
2-Nitroaniline	88-74-4	mg/kg	NL	NL	NL	ND		0.032
3-Nitroaniline	99-09-2	mg/kg	NL	NL	NL	ND		0.031
4-Nitroaniline	100-01-6	mg/kg	NL	NL	NL	ND		0.069
Dibenzofuran	132-64-9	mg/kg	210	350	7	ND		0.016
2-Methylnaphthalene	91-57-6	mg/kg	NL	NL	NL	ND		0.02
1,2,4,5-Tetrachlorobenzene	95-94-3	mg/kg	NL	NL	NL	ND		0.017
Acetophenone	98-86-2	mg/kg	NL	NL	NL	ND		0.021
2,4,6-Trichlorophenol	88-06-2	mg/kg	NL	NL	NL	ND		0.032
p-Chloro-m-cresol	59-50-7	mg/kg	NL	NL	NL	ND		0.025
2-Chlorophenol	95-57-8	mg/kg	NL	NL	NL	ND		0.02
2,4-Dichlorophenol	120-83-2	mg/kg	NL	NL	NL	ND		0.027
2,4-Dimethylphenol	105-67-9	mg/kg	NL	NL	NL	ND		0.055
2-Nitrophenol	88-75-5	mg/kg	NL	NL	NL	ND		0.062
4-Nitrophenol	100-02-7	mg/kg	NL	NL	NL	ND		0.068
2,4-Dinitrophenol	51-28-5	mg/kg	NL	NL	NL	ND		0.078
4,6-Dinitro-o-cresol	534-52-1	mg/kg	NL	NL	NL	ND		0.08
Pentachlorophenol	87-86-5	mg/kg	0.8	6.7	0.8	ND		0.037
Phenol	108-95-2	mg/kg	0.33	500	0.33	ND		0.025
2-Methylphenol	95-48-7	mg/kg	0.33	500	0.33	ND		0.026
3-Methylphenol/4-Methylphenol	108-39-4/106-44-5	mg/kg	0.33	500	0.33	ND		0.026
2,4,5-Trichlorophenol	95-95-4	mg/kg	NL	NL	NL	ND		0.032
Carbazole	86-74-8	mg/kg	NL	NL	NL	ND		0.016
Atrazine	1912-24-9	mg/kg	NL	NL	NL	ND		0.058
Benzaldehyde	100-52-7	mg/kg	NL	NL	NL	ND		0.045
Caprolactam	105-60-2	mg/kg	NL	NL	NL	ND		0.051
2,3,4,6-Tetrachlorophenol	58-90-2	mg/kg	NL	NL	NL	ND		0.034
1,4-Dioxane	123-91-1	mg/kg	0.1	130	0.1	ND		0.0076

NOTES:

mg/kg = milligrams per kilogram

NL indicates not listed

ND indicates not detected above the method detection limit

Q - Qualifier

Conc - Concentration

MDL - Method Detection Limit

TABLE 3

Request to Import 5/8 Inch Stone
1350 Jefferson Road, Henrietta, NY
Metals
LaBella Project #2200916



SAMPLE ID:	CAS #	Units	NYSDE DER-10 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4€ for Commercial or Industrial Use	6NTCRR Part375-6.8(b) Restricted Use SCO's for a Commercial Site	6NYCRR Part 375-6.8(a) Unrestricted Use SCO's	S-01		
LAB ID:						L2039424-01		
COLLECTION DATE:						9/18/2020		
SAMPLE MATRIX:						SOIL		
						Conc	Q	MDL
TOTAL METALS		mg/kg						
Aluminum, Total	7429-90-5	mg/kg	NL	NL	NL	1600		2.15
Antimony, Total	7440-36-0	mg/kg	NL	NL	NL	ND		0.302
Arsenic, Total	7440-38-2	mg/kg	16	16	13	3.95		0.165
Barium, Total	7440-39-3	mg/kg	400	400	350	12.7		0.138
Beryllium, Total	7440-41-7	mg/kg	47	590	7.2	0.103	J	0.026
Cadmium, Total	7440-43-9	mg/kg	7.5	9.3	2.5	ND		0.078
Calcium, Total	7440-70-2	mg/kg	NL	NL	NL	108000		27.8
Chromium, Total	7440-47-3	mg/kg	NL	NL	NL	3.57		0.076
Cobalt, Total	7440-48-4	mg/kg	NL	NL	NL	1.84		0.132
Copper, Total	7440-50-8	mg/kg	270	270	50	3		0.205
Iron, Total	7439-89-6	mg/kg	NL	NL	NL	6520		0.718
Lead, Total	7439-92-1	mg/kg	450	1000	63	20.8		0.213
Magnesium, Total	7439-95-4	mg/kg	NL	NL	NL	63400		12.2
Manganese, Total	7439-96-5	mg/kg	2000	10000	1600	215		0.126
Mercury, Total	7439-97-6	mg/kg	0.73	2.8	0.18	ND		0.049
Nickel, Total	7440-02-0	mg/kg	130	310	30	3.03		0.192
Potassium, Total	7440-09-7	mg/kg	NL	NL	NL	951		11.4
Selenium, Total	7782-49-2	mg/kg	4	1500	3.9	0.278	J	0.205
Silver, Total	7440-22-4	mg/kg	8.3	1500	2	ND		0.225
Sodium, Total	7440-23-5	mg/kg	NL	NL	NL	143	J	2.5
Thallium, Total	7440-28-0	mg/kg	NL	NL	NL	ND		0.25
Vanadium, Total	7440-62-2	mg/kg	NL	NL	NL	4.31		0.161
Zinc, Total	7440-66-6	mg/kg	2480	10000	109	51.4		0.233

NOTES:

mg/kg = milligrams per kilogram

NL indicates not listed

ND indicates not detected above the method detection limit

Q - Qualifier

Conc - Concentration

MDL - Method Detection Limit

TABLE 4

Request to Import 5/8 Inch Stone
1350 Jefferson Road, Henrietta, NY
Pesticides and PCBs
LaBella Project #2200916



SAMPLE ID:	CAS #	Units	NYSDE DER-10 Allowable Constituent Levels for Imported Fill or Soil Subdivision 5.4€ for Commercial or Industrial Use	6NTCRR Part375-6.8(b) Restricted Use SCOs for a Commercial Site	6NYCRR Part 375-6.8(a) Unrestricted Use SCOs	S-01	
LAB ID:						L2039424-01	
COLLECTION DATE:						9/18/2020	
SAMPLE MATRIX:						SOIL	
						Conc	MDL
PESTICIDES		mg/kg					
Delta-BHC	319-86-8	mg/kg	0.25	500	0.04	ND	0.0003
Lindane	58-89-9	mg/kg	0.1	9.2	0.1	ND	0.000285
Alpha-BHC	319-84-6	mg/kg	0.02	3.4	0.02	ND	0.000181
Beta-BHC	319-85-7	mg/kg	0.09	3	0.036	ND	0.00058
Heptachlor	76-44-8	mg/kg	0.38	15	0.042	ND	0.000343
Aldrin	309-00-2	mg/kg	0.19	0.68	0.005	ND	0.000539
Heptachlor epoxide	1024-57-3	mg/kg	NL	NL	NL	ND	0.000861
Endrin	72-20-8	mg/kg	0.06	89	0.014	ND	0.000262
Endrin aldehyde	7421-93-4	mg/kg	NL	NL	NL	ND	0.00067
Endrin ketone	53494-70-5	mg/kg	NL	NL	NL	ND	0.000394
Dieldrin	60-57-1	mg/kg	0.1	1.4	0.005	ND	0.000478
4,4'-DDE	72-55-9	mg/kg	17	62	0.0033	ND	0.000354
4,4'-DDD	72-54-8	mg/kg	14	92	0.0033	ND	0.000546
4,4'-DDT	50-29-3	mg/kg	47	47	0.0033	ND	0.00123
Endosulfan I	959-98-8	mg/kg	102	200	2.4	ND	0.000362
Endosulfan II	33213-65-9	mg/kg	102	200	2.4	ND	0.000512
Endosulfan sulfate	1031-07-8	mg/kg	200	200	2.4	ND	0.000304
Methoxychlor	72-43-5	mg/kg	NL	NL	NL	ND	0.000893
Toxaphene	8001-35-2	mg/kg	NL	NL	NL	ND	0.00804
cis-Chlordane	5103-71-9	mg/kg	2.9	24	0.094	ND	0.000533
trans-Chlordane	5103-74-2	mg/kg	NL	NL	NL	ND	0.000505
Chlordane	57-74-9	mg/kg	NL	NL	NL	ND	0.00507
POLYCHLORINATED BIPHENYLS		mg/kg					
Aroclor 1016	12674-11-2	mg/kg	1	1	0.1	ND	0.00286
Aroclor 1221	11104-28-2	mg/kg	1	1	0.1	ND	0.00323
Aroclor 1232	11141-16-5	mg/kg	1	1	0.1	ND	0.00684
Aroclor 1242	53469-21-9	mg/kg	1	1	0.1	ND	0.00435
Aroclor 1248	12672-29-6	mg/kg	1	1	0.1	ND	0.00484
Aroclor 1254	11097-69-1	mg/kg	1	1	0.1	ND	0.00353
Aroclor 1260	11096-82-5	mg/kg	1	1	0.1	ND	0.00596
Aroclor 1262	37324-23-5	mg/kg	1	1	0.1	ND	0.0041
Aroclor 1268	11100-14-4	mg/kg	1	1	0.1	ND	0.00334
PCBs, Total	1336-36-3	mg/kg	1	1	0.1	ND	0.00286

NOTES:

mg/kg = milligrams per kilogram

NL indicates not listed

ND indicates not detected above the method detection limit

Q - Qualifier

Conc - Concentration

MDL - Method Detection Limit

TABLE 5

Request to Import 5/8 Inch Stone
1350 Jefferson Road, Henrietta, NY

PFAS

LaBella Project #2200916



SAMPLE ID:	CAS #	Units	NYSDEC January 2020 Guidelines for PFAS - Imported Soil	S-01		
LAB ID:				L2039424-01		
COLLECTION DATE:				9/18/2020		
SAMPLE MATRIX:				SOIL		
				Conc	Q	MDL
PFAS						
Perfluorobutanoic Acid (PFBA)	375-22-4	ug/kg	NL	ND		0.022
Perfluoropentanoic Acid (PFPeA)	2706-90-3	mg/kg	NL	ND		0.044
Perfluorobutanesulfonic Acid (PFBS)	375-73-5	mg/kg	NL	ND		0.038
Perfluorohexanoic Acid (PFHxA)	307-24-4	mg/kg	NL	ND		0.051
Perfluoroheptanoic Acid (PFHpA)	375-85-9	mg/kg	NL	ND		0.044
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	mg/kg	NL	ND		0.058
Perfluorooctanoic Acid (PFOA)	335-67-1	mg/kg	1	ND		0.04
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2)	27619-97-2	mg/kg	NL	ND		0.173
Perfluoroheptanesulfonic Acid (PFHpS)	375-92-8	mg/kg	NL	ND		0.132
Perfluorononanoic Acid (PFNA)	375-95-1	mg/kg	NL	ND		0.072
Perfluorooctanesulfonic Acid (PFOS)	1763-23-1	mg/kg	1	ND		0.125
Perfluorodecanoic Acid (PFDA)	335-76-2	mg/kg	NL	ND		0.065
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2)	39108-34-4	mg/kg	NL	ND		0.277
N-Methyl Perfluorooctanesulfonamidoacetic Acid	2355-31-9	mg/kg	NL	ND		0.194
Perfluoroundecanoic Acid (PFUnA)	2058-94-8	mg/kg	NL	ND		0.045
Perfluorodecanesulfonic Acid (PFDS)	335-77-3	mg/kg	NL	ND		0.148
Perfluorooctanesulfonamide (FOSA)	754-91-6	mg/kg	NL	ND		0.095
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	2991-50-6	mg/kg	NL	ND		0.082
Perfluorododecanoic Acid (PFDoA)	307-55-1	mg/kg	NL	ND		0.068
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	mg/kg	NL	ND		0.197
Perfluorotetradecanoic Acid (PFTA)	376-06-7	mg/kg	NL	ND		0.052
PFOA/PFOS, Total		mg/kg	NL	ND		0.04

NOTES:

mg/kg = milligrams per kilogram

NL indicates not listed

ND indicates not detected above the method detection limit

Q - Qualifier

Conc - Concentration

MDL - Method Detection Limit



ANALYTICAL REPORT

Lab Number:	L2039424
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	1350 JEFFERSON
Project Number:	2200916
Report Date:	09/29/20

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Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2039424-01	S-01	SOIL	HENRIETTA, NY	09/18/20 11:45	09/18/20
L2039424-02	S-02	SOIL	HENRIETTA, NY	09/18/20 11:47	09/18/20
L2039424-03	S-03	SOIL	HENRIETTA, NY	09/18/20 11:48	09/18/20

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Case Narrative (continued)

Report Submission

September 29, 2020: This final report includes the results of all requested analyses.

September 25, 2020: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics

L2039424-02 and -03: Any reported concentrations that are below 200 ug/kg may be biased low due to the sample not being collected according to 5035-L/5035A-L low-level specifications.

Perfluorinated Alkyl Acids by Isotope Dilution

WG1412380-2: The Extracted Internal Standard recovery is below the acceptance criteria for Perfluoro[13C8]Octanesulfonamide (M8FOSA) (less than 10%); however, all associated target analytes are within criteria; therefore, no further action was taken.

Total Metals

L2039424-01: The sample has elevated detection limits for all elements, with the exception of mercury, due to the dilution required by matrix interferences encountered during analysis.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Tiffani Morrissey - Tiffani Morrissey

Title: Technical Director/Representative

Date: 09/29/20

ORGANICS

VOLATILES

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-02
Client ID: S-02
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:47
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/29/20 12:17
Analyst: JC
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.1	1.9	1
1,1-Dichloroethane	ND		ug/kg	0.82	0.12	1
Chloroform	ND		ug/kg	1.2	0.12	1
Carbon tetrachloride	ND		ug/kg	0.82	0.19	1
1,2-Dichloropropane	ND		ug/kg	0.82	0.10	1
Dibromochloromethane	ND		ug/kg	0.82	0.12	1
1,1,2-Trichloroethane	ND		ug/kg	0.82	0.22	1
Tetrachloroethene	1.3		ug/kg	0.41	0.16	1
Chlorobenzene	ND		ug/kg	0.41	0.10	1
Trichlorofluoromethane	ND		ug/kg	3.3	0.57	1
1,2-Dichloroethane	ND		ug/kg	0.82	0.21	1
1,1,1-Trichloroethane	ND		ug/kg	0.41	0.14	1
Bromodichloromethane	ND		ug/kg	0.41	0.09	1
trans-1,3-Dichloropropene	ND		ug/kg	0.82	0.22	1
cis-1,3-Dichloropropene	ND		ug/kg	0.41	0.13	1
1,3-Dichloropropene, Total	ND		ug/kg	0.41	0.13	1
Bromoform	ND		ug/kg	3.3	0.20	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.41	0.14	1
Benzene	ND		ug/kg	0.41	0.14	1
Toluene	1.2		ug/kg	0.82	0.45	1
Ethylbenzene	ND		ug/kg	0.82	0.12	1
Chloromethane	ND		ug/kg	3.3	0.77	1
Bromomethane	ND		ug/kg	1.6	0.48	1
Vinyl chloride	ND		ug/kg	0.82	0.28	1
Chloroethane	ND		ug/kg	1.6	0.37	1
1,1-Dichloroethene	ND		ug/kg	0.82	0.20	1
trans-1,2-Dichloroethene	ND		ug/kg	1.2	0.11	1
Trichloroethene	ND		ug/kg	0.41	0.11	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-02
Client ID: S-02
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:47
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,3-Dichlorobenzene	ND		ug/kg	1.6	0.12	1
1,4-Dichlorobenzene	ND		ug/kg	1.6	0.14	1
Methyl tert butyl ether	ND		ug/kg	1.6	0.16	1
p/m-Xylene	0.52	J	ug/kg	1.6	0.46	1
o-Xylene	ND		ug/kg	0.82	0.24	1
Xylenes, Total	0.52	J	ug/kg	0.82	0.24	1
cis-1,2-Dichloroethene	ND		ug/kg	0.82	0.14	1
1,2-Dichloroethene, Total	ND		ug/kg	0.82	0.11	1
Styrene	ND		ug/kg	0.82	0.16	1
Dichlorodifluoromethane	ND		ug/kg	8.2	0.75	1
Acetone	ND		ug/kg	8.2	4.0	1
Carbon disulfide	ND		ug/kg	8.2	3.7	1
2-Butanone	ND		ug/kg	8.2	1.8	1
4-Methyl-2-pentanone	ND		ug/kg	8.2	1.0	1
2-Hexanone	ND		ug/kg	8.2	0.97	1
Bromochloromethane	ND		ug/kg	1.6	0.17	1
1,2-Dibromoethane	ND		ug/kg	0.82	0.23	1
n-Butylbenzene	ND		ug/kg	0.82	0.14	1
sec-Butylbenzene	ND		ug/kg	0.82	0.12	1
tert-Butylbenzene	ND		ug/kg	1.6	0.10	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.5	0.82	1
Isopropylbenzene	ND		ug/kg	0.82	0.09	1
p-Isopropyltoluene	ND		ug/kg	0.82	0.09	1
Naphthalene	ND		ug/kg	3.3	0.53	1
n-Propylbenzene	ND		ug/kg	0.82	0.14	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.6	0.26	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.6	0.22	1
1,3,5-Trimethylbenzene	0.31	J	ug/kg	1.6	0.16	1
1,2,4-Trimethylbenzene	0.38	J	ug/kg	1.6	0.27	1
Methyl Acetate	ND		ug/kg	3.3	0.78	1
Cyclohexane	ND		ug/kg	8.2	0.45	1
1,4-Dioxane	ND		ug/kg	66	29.	1
Freon-113	ND		ug/kg	3.3	0.57	1
Methyl cyclohexane	ND		ug/kg	3.3	0.50	1

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-02
Client ID: S-02
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:47
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	105		70-130
Toluene-d8	100		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	96		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-03
Client ID: S-03
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:48
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8260C
Analytical Date: 09/29/20 12:39
Analyst: JC
Percent Solids: 98%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/kg	4.8	2.2	1
1,1-Dichloroethane	ND		ug/kg	0.97	0.14	1
Chloroform	ND		ug/kg	1.4	0.14	1
Carbon tetrachloride	ND		ug/kg	0.97	0.22	1
1,2-Dichloropropane	ND		ug/kg	0.97	0.12	1
Dibromochloromethane	ND		ug/kg	0.97	0.14	1
1,1,2-Trichloroethane	ND		ug/kg	0.97	0.26	1
Tetrachloroethene	0.78		ug/kg	0.48	0.19	1
Chlorobenzene	ND		ug/kg	0.48	0.12	1
Trichlorofluoromethane	ND		ug/kg	3.9	0.67	1
1,2-Dichloroethane	ND		ug/kg	0.97	0.25	1
1,1,1-Trichloroethane	ND		ug/kg	0.48	0.16	1
Bromodichloromethane	ND		ug/kg	0.48	0.10	1
trans-1,3-Dichloropropene	ND		ug/kg	0.97	0.26	1
cis-1,3-Dichloropropene	ND		ug/kg	0.48	0.15	1
1,3-Dichloropropene, Total	ND		ug/kg	0.48	0.15	1
Bromoform	ND		ug/kg	3.9	0.24	1
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.48	0.16	1
Benzene	ND		ug/kg	0.48	0.16	1
Toluene	ND		ug/kg	0.97	0.52	1
Ethylbenzene	ND		ug/kg	0.97	0.14	1
Chloromethane	ND		ug/kg	3.9	0.90	1
Bromomethane	ND		ug/kg	1.9	0.56	1
Vinyl chloride	ND		ug/kg	0.97	0.32	1
Chloroethane	ND		ug/kg	1.9	0.44	1
1,1-Dichloroethene	ND		ug/kg	0.97	0.23	1
trans-1,2-Dichloroethene	ND		ug/kg	1.4	0.13	1
Trichloroethene	ND		ug/kg	0.48	0.13	1



Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-03

Date Collected: 09/18/20 11:48

Client ID: S-03

Date Received: 09/18/20

Sample Location: HENRIETTA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,2-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,3-Dichlorobenzene	ND		ug/kg	1.9	0.14	1
1,4-Dichlorobenzene	ND		ug/kg	1.9	0.16	1
Methyl tert butyl ether	ND		ug/kg	1.9	0.19	1
p/m-Xylene	ND		ug/kg	1.9	0.54	1
o-Xylene	ND		ug/kg	0.97	0.28	1
Xylenes, Total	ND		ug/kg	0.97	0.28	1
cis-1,2-Dichloroethene	ND		ug/kg	0.97	0.17	1
1,2-Dichloroethene, Total	ND		ug/kg	0.97	0.13	1
Styrene	ND		ug/kg	0.97	0.19	1
Dichlorodifluoromethane	ND		ug/kg	9.7	0.88	1
Acetone	ND		ug/kg	9.7	4.6	1
Carbon disulfide	ND		ug/kg	9.7	4.4	1
2-Butanone	ND		ug/kg	9.7	2.1	1
4-Methyl-2-pentanone	ND		ug/kg	9.7	1.2	1
2-Hexanone	ND		ug/kg	9.7	1.1	1
Bromochloromethane	ND		ug/kg	1.9	0.20	1
1,2-Dibromoethane	ND		ug/kg	0.97	0.27	1
n-Butylbenzene	ND		ug/kg	0.97	0.16	1
sec-Butylbenzene	ND		ug/kg	0.97	0.14	1
tert-Butylbenzene	ND		ug/kg	1.9	0.11	1
1,2-Dibromo-3-chloropropane	ND		ug/kg	2.9	0.96	1
Isopropylbenzene	ND		ug/kg	0.97	0.10	1
p-Isopropyltoluene	ND		ug/kg	0.97	0.10	1
Naphthalene	ND		ug/kg	3.9	0.63	1
n-Propylbenzene	ND		ug/kg	0.97	0.16	1
1,2,3-Trichlorobenzene	ND		ug/kg	1.9	0.31	1
1,2,4-Trichlorobenzene	ND		ug/kg	1.9	0.26	1
1,3,5-Trimethylbenzene	ND		ug/kg	1.9	0.19	1
1,2,4-Trimethylbenzene	ND		ug/kg	1.9	0.32	1
Methyl Acetate	ND		ug/kg	3.9	0.92	1
Cyclohexane	ND		ug/kg	9.7	0.53	1
1,4-Dioxane	ND		ug/kg	77	34.	1
Freon-113	ND		ug/kg	3.9	0.67	1
Methyl cyclohexane	ND		ug/kg	3.9	0.58	1



Project Name: 1350 JEFFERSON**Lab Number:** L2039424**Project Number:** 2200916**Report Date:** 09/29/20**SAMPLE RESULTS**

Lab ID: L2039424-03

Date Collected: 09/18/20 11:48

Client ID: S-03

Date Received: 09/18/20

Sample Location: HENRIETTA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	106		70-130
Toluene-d8	94		70-130
4-Bromofluorobenzene	110		70-130
Dibromofluoromethane	97		70-130

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/29/20 07:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1415861-5					
Methylene chloride	ND		ug/kg	5.0	2.3
1,1-Dichloroethane	ND		ug/kg	1.0	0.14
Chloroform	ND		ug/kg	1.5	0.14
Carbon tetrachloride	ND		ug/kg	1.0	0.23
1,2-Dichloropropane	ND		ug/kg	1.0	0.12
Dibromochloromethane	ND		ug/kg	1.0	0.14
1,1,2-Trichloroethane	ND		ug/kg	1.0	0.27
Tetrachloroethene	ND		ug/kg	0.50	0.20
Chlorobenzene	ND		ug/kg	0.50	0.13
Trichlorofluoromethane	ND		ug/kg	4.0	0.70
1,2-Dichloroethane	ND		ug/kg	1.0	0.26
1,1,1-Trichloroethane	ND		ug/kg	0.50	0.17
Bromodichloromethane	ND		ug/kg	0.50	0.11
trans-1,3-Dichloropropene	ND		ug/kg	1.0	0.27
cis-1,3-Dichloropropene	ND		ug/kg	0.50	0.16
1,3-Dichloropropene, Total	ND		ug/kg	0.50	0.16
Bromoform	ND		ug/kg	4.0	0.25
1,1,2,2-Tetrachloroethane	ND		ug/kg	0.50	0.17
Benzene	ND		ug/kg	0.50	0.17
Toluene	ND		ug/kg	1.0	0.54
Ethylbenzene	ND		ug/kg	1.0	0.14
Chloromethane	ND		ug/kg	4.0	0.93
Bromomethane	ND		ug/kg	2.0	0.58
Vinyl chloride	ND		ug/kg	1.0	0.34
Chloroethane	ND		ug/kg	2.0	0.45
1,1-Dichloroethene	ND		ug/kg	1.0	0.24
trans-1,2-Dichloroethene	ND		ug/kg	1.5	0.14
Trichloroethene	ND		ug/kg	0.50	0.14
1,2-Dichlorobenzene	ND		ug/kg	2.0	0.14



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/29/20 07:22
 Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1415861-5					
1,3-Dichlorobenzene	ND		ug/kg	2.0	0.15
1,4-Dichlorobenzene	ND		ug/kg	2.0	0.17
Methyl tert butyl ether	ND		ug/kg	2.0	0.20
p/m-Xylene	ND		ug/kg	2.0	0.56
o-Xylene	ND		ug/kg	1.0	0.29
Xylenes, Total	ND		ug/kg	1.0	0.29
cis-1,2-Dichloroethene	ND		ug/kg	1.0	0.18
1,2-Dichloroethene, Total	ND		ug/kg	1.0	0.14
Styrene	ND		ug/kg	1.0	0.20
Dichlorodifluoromethane	ND		ug/kg	10	0.92
Acetone	ND		ug/kg	10	4.8
Carbon disulfide	ND		ug/kg	10	4.6
2-Butanone	ND		ug/kg	10	2.2
4-Methyl-2-pentanone	ND		ug/kg	10	1.3
2-Hexanone	ND		ug/kg	10	1.2
Bromochloromethane	ND		ug/kg	2.0	0.20
1,2-Dibromoethane	ND		ug/kg	1.0	0.28
n-Butylbenzene	ND		ug/kg	1.0	0.17
sec-Butylbenzene	ND		ug/kg	1.0	0.15
tert-Butylbenzene	ND		ug/kg	2.0	0.12
1,2-Dibromo-3-chloropropane	ND		ug/kg	3.0	1.0
Isopropylbenzene	ND		ug/kg	1.0	0.11
p-Isopropyltoluene	ND		ug/kg	1.0	0.11
Naphthalene	ND		ug/kg	4.0	0.65
n-Propylbenzene	ND		ug/kg	1.0	0.17
1,2,3-Trichlorobenzene	ND		ug/kg	2.0	0.32
1,2,4-Trichlorobenzene	ND		ug/kg	2.0	0.27
1,3,5-Trimethylbenzene	ND		ug/kg	2.0	0.19
1,2,4-Trimethylbenzene	ND		ug/kg	2.0	0.33

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/29/20 07:22
Analyst: MV

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by EPA 5035 Low - Westborough Lab for sample(s): 02-03 Batch: WG1415861-5					
Methyl Acetate	ND		ug/kg	4.0	0.95
Cyclohexane	ND		ug/kg	10	0.54
1,4-Dioxane	ND		ug/kg	80	35.
Freon-113	ND		ug/kg	4.0	0.69
Methyl cyclohexane	ND		ug/kg	4.0	0.60

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	102		70-130
Toluene-d8	99		70-130
4-Bromofluorobenzene	102		70-130
Dibromofluoromethane	90		70-130

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1415861-3 WG1415861-4								
Methylene chloride	88		87		70-130	1		30
1,1-Dichloroethane	91		89		70-130	2		30
Chloroform	89		85		70-130	5		30
Carbon tetrachloride	92		89		70-130	3		30
1,2-Dichloropropane	92		90		70-130	2		30
Dibromochloromethane	90		90		70-130	0		30
1,1,2-Trichloroethane	92		91		70-130	1		30
Tetrachloroethene	92		92		70-130	0		30
Chlorobenzene	94		90		70-130	4		30
Trichlorofluoromethane	93		87		70-139	7		30
1,2-Dichloroethane	89		86		70-130	3		30
1,1,1-Trichloroethane	92		89		70-130	3		30
Bromodichloromethane	87		84		70-130	4		30
trans-1,3-Dichloropropene	85		89		70-130	5		30
cis-1,3-Dichloropropene	90		92		70-130	2		30
Bromoform	77		73		70-130	5		30
1,1,2,2-Tetrachloroethane	99		94		70-130	5		30
Benzene	92		90		70-130	2		30
Toluene	89		93		70-130	4		30
Ethylbenzene	98		92		70-130	6		30
Chloromethane	63		60		52-130	5		30
Bromomethane	132		119		57-147	10		30
Vinyl chloride	84		78		67-130	7		30

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1415861-3 WG1415861-4								
Chloroethane	94		91		50-151	3		30
1,1-Dichloroethene	89		85		65-135	5		30
trans-1,2-Dichloroethene	90		87		70-130	3		30
Trichloroethene	96		92		70-130	4		30
1,2-Dichlorobenzene	97		90		70-130	7		30
1,3-Dichlorobenzene	97		92		70-130	5		30
1,4-Dichlorobenzene	97		91		70-130	6		30
Methyl tert butyl ether	84		83		66-130	1		30
p/m-Xylene	96		90		70-130	6		30
o-Xylene	90		89		70-130	1		30
cis-1,2-Dichloroethene	88		86		70-130	2		30
Styrene	91		90		70-130	1		30
Dichlorodifluoromethane	51		48		30-146	6		30
Acetone	86		86		54-140	0		30
Carbon disulfide	87		83		59-130	5		30
2-Butanone	79		78		70-130	1		30
4-Methyl-2-pentanone	86		93		70-130	8		30
2-Hexanone	85		86		70-130	1		30
Bromochloromethane	83		81		70-130	2		30
1,2-Dibromoethane	89		90		70-130	1		30
n-Butylbenzene	106		98		70-130	8		30
sec-Butylbenzene	105		99		70-130	6		30
tert-Butylbenzene	102		96		70-130	6		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by EPA 5035 Low - Westborough Lab Associated sample(s): 02-03 Batch: WG1415861-3 WG1415861-4								
1,2-Dibromo-3-chloropropane	88		79		68-130	11		30
Isopropylbenzene	103		94		70-130	9		30
p-Isopropyltoluene	102		95		70-130	7		30
Naphthalene	90		86		70-130	5		30
n-Propylbenzene	104		97		70-130	7		30
1,2,3-Trichlorobenzene	91		86		70-130	6		30
1,2,4-Trichlorobenzene	90		85		70-130	6		30
1,3,5-Trimethylbenzene	99		94		70-130	5		30
1,2,4-Trimethylbenzene	99		93		70-130	6		30
Methyl Acetate	84		83		51-146	1		30
Cyclohexane	96		93		59-142	3		30
1,4-Dioxane	114		93		65-136	20		30
Freon-113	92		89		50-139	3		30
Methyl cyclohexane	97		93		70-130	4		30

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	94		95		70-130
Toluene-d8	96		102		70-130
4-Bromofluorobenzene	104		100		70-130
Dibromofluoromethane	89		89		70-130

SEMIVOLATILES

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01
Client ID: S-01
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:45
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8270D
Analytical Date: 09/22/20 09:43
Analyst: SZ
Percent Solids: 99%

Extraction Method: EPA 3546
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	130	17.	1
Hexachlorobenzene	ND		ug/kg	100	19.	1
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.	1
2-Chloronaphthalene	ND		ug/kg	170	16.	1
3,3'-Dichlorobenzidine	ND		ug/kg	170	44.	1
2,4-Dinitrotoluene	ND		ug/kg	170	33.	1
2,6-Dinitrotoluene	ND		ug/kg	170	28.	1
Fluoranthene	160		ug/kg	100	19.	1
4-Chlorophenyl phenyl ether	ND		ug/kg	170	18.	1
4-Bromophenyl phenyl ether	ND		ug/kg	170	25.	1
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.	1
Bis(2-chloroethoxy)methane	ND		ug/kg	180	17.	1
Hexachlorobutadiene	ND		ug/kg	170	24.	1
Hexachlorocyclopentadiene	ND		ug/kg	480	150	1
Hexachloroethane	ND		ug/kg	130	27.	1
Isophorone	ND		ug/kg	150	22.	1
Naphthalene	ND		ug/kg	170	20.	1
Nitrobenzene	ND		ug/kg	150	25.	1
NDPA/DPA	ND		ug/kg	130	19.	1
n-Nitrosodi-n-propylamine	ND		ug/kg	170	26.	1
Bis(2-ethylhexyl)phthalate	ND		ug/kg	170	58.	1
Butyl benzyl phthalate	ND		ug/kg	170	42.	1
Di-n-butylphthalate	ND		ug/kg	170	32.	1
Di-n-octylphthalate	ND		ug/kg	170	56.	1
Diethyl phthalate	ND		ug/kg	170	15.	1
Dimethyl phthalate	ND		ug/kg	170	35.	1
Benzo(a)anthracene	52	J	ug/kg	100	19.	1
Benzo(a)pyrene	54	J	ug/kg	130	41.	1



Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01

Date Collected: 09/18/20 11:45

Client ID: S-01

Date Received: 09/18/20

Sample Location: HENRIETTA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Benzo(b)fluoranthene	100		ug/kg	100	28.	1
Benzo(k)fluoranthene	ND		ug/kg	100	27.	1
Chrysene	74	J	ug/kg	100	17.	1
Acenaphthylene	ND		ug/kg	130	26.	1
Anthracene	ND		ug/kg	100	32.	1
Benzo(ghi)perylene	51	J	ug/kg	130	20.	1
Fluorene	ND		ug/kg	170	16.	1
Phenanthrene	86	J	ug/kg	100	20.	1
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.	1
Indeno(1,2,3-cd)pyrene	52	J	ug/kg	130	23.	1
Pyrene	120		ug/kg	100	16.	1
Biphenyl	ND		ug/kg	380	39.	1
4-Chloroaniline	ND		ug/kg	170	30.	1
2-Nitroaniline	ND		ug/kg	170	32.	1
3-Nitroaniline	ND		ug/kg	170	31.	1
4-Nitroaniline	ND		ug/kg	170	69.	1
Dibenzofuran	ND		ug/kg	170	16.	1
2-Methylnaphthalene	ND		ug/kg	200	20.	1
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	170	17.	1
Acetophenone	ND		ug/kg	170	21.	1
2,4,6-Trichlorophenol	ND		ug/kg	100	32.	1
p-Chloro-m-cresol	ND		ug/kg	170	25.	1
2-Chlorophenol	ND		ug/kg	170	20.	1
2,4-Dichlorophenol	ND		ug/kg	150	27.	1
2,4-Dimethylphenol	ND		ug/kg	170	55.	1
2-Nitrophenol	ND		ug/kg	360	62.	1
4-Nitrophenol	ND		ug/kg	230	68.	1
2,4-Dinitrophenol	ND		ug/kg	800	78.	1
4,6-Dinitro-o-cresol	ND		ug/kg	430	80.	1
Pentachlorophenol	ND		ug/kg	130	37.	1
Phenol	ND		ug/kg	170	25.	1
2-Methylphenol	ND		ug/kg	170	26.	1
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.	1
2,4,5-Trichlorophenol	ND		ug/kg	170	32.	1
Carbazole	ND		ug/kg	170	16.	1
Atrazine	ND		ug/kg	130	58.	1
Benzaldehyde	ND		ug/kg	220	45.	1



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01
Client ID: S-01
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:45
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Caprolactam	ND		ug/kg	170	51.	1
2,3,4,6-Tetrachlorophenol	ND		ug/kg	170	34.	1
1,4-Dioxane	ND		ug/kg	25	7.6	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	70		25-120
Phenol-d6	77		10-120
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	63		30-120
2,4,6-Tribromophenol	58		10-136
4-Terphenyl-d14	61		18-120

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01
Client ID: S-01
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:45
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/21/20 22:10
Analyst: SG
Percent Solids: 99%

Extraction Method: ALPHA 23528
Extraction Date: 09/21/20 09:30

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.483	0.022	1
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.483	0.044	1
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.483	0.038	1
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.483	0.051	1
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.483	0.044	1
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.483	0.058	1
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.483	0.040	1
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.483	0.173	1
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.483	0.132	1
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.483	0.072	1
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.483	0.125	1
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.483	0.065	1
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.483	0.277	1
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.483	0.194	1
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.483	0.045	1
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.483	0.148	1
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.483	0.095	1
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.483	0.082	1
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.483	0.068	1
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.483	0.197	1
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.483	0.052	1
PFOA/PFOS, Total	ND		ug/kg	0.483	0.040	1

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01
Client ID: S-01
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:45
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab						

Surrogate (Extracted Internal Standard)	% Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	97		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	97		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	95		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	101		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	109		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	103		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	107		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	100		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	52		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	103		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	28		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	52		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	96		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		26-160

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/20 01:44
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1412316-1					
Acenaphthene	ND		ug/kg	130	17.
Hexachlorobenzene	ND		ug/kg	98	18.
Bis(2-chloroethyl)ether	ND		ug/kg	150	22.
2-Chloronaphthalene	ND		ug/kg	160	16.
3,3'-Dichlorobenzidine	ND		ug/kg	160	44.
2,4-Dinitrotoluene	ND		ug/kg	160	33.
2,6-Dinitrotoluene	ND		ug/kg	160	28.
Fluoranthene	ND		ug/kg	98	19.
4-Chlorophenyl phenyl ether	ND		ug/kg	160	18.
4-Bromophenyl phenyl ether	ND		ug/kg	160	25.
Bis(2-chloroisopropyl)ether	ND		ug/kg	200	28.
Bis(2-chloroethoxy)methane	ND		ug/kg	180	16.
Hexachlorobutadiene	ND		ug/kg	160	24.
Hexachlorocyclopentadiene	ND		ug/kg	470	150
Hexachloroethane	ND		ug/kg	130	26.
Isophorone	ND		ug/kg	150	21.
Naphthalene	ND		ug/kg	160	20.
Nitrobenzene	ND		ug/kg	150	24.
NDPA/DPA	ND		ug/kg	130	19.
n-Nitrosodi-n-propylamine	ND		ug/kg	160	25.
Bis(2-ethylhexyl)phthalate	ND		ug/kg	160	57.
Butyl benzyl phthalate	ND		ug/kg	160	41.
Di-n-butylphthalate	ND		ug/kg	160	31.
Di-n-octylphthalate	ND		ug/kg	160	56.
Diethyl phthalate	ND		ug/kg	160	15.
Dimethyl phthalate	ND		ug/kg	160	34.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	28.



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/20 01:44
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1412316-1					
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
Biphenyl	ND		ug/kg	370	38.
4-Chloroaniline	ND		ug/kg	160	30.
2-Nitroaniline	ND		ug/kg	160	32.
3-Nitroaniline	ND		ug/kg	160	31.
4-Nitroaniline	ND		ug/kg	160	68.
Dibenzofuran	ND		ug/kg	160	16.
2-Methylnaphthalene	ND		ug/kg	200	20.
1,2,4,5-Tetrachlorobenzene	ND		ug/kg	160	17.
Acetophenone	ND		ug/kg	160	20.
2,4,6-Trichlorophenol	ND		ug/kg	98	31.
p-Chloro-m-cresol	ND		ug/kg	160	24.
2-Chlorophenol	ND		ug/kg	160	19.
2,4-Dichlorophenol	ND		ug/kg	150	26.
2,4-Dimethylphenol	ND		ug/kg	160	54.
2-Nitrophenol	ND		ug/kg	350	62.
4-Nitrophenol	ND		ug/kg	230	67.
2,4-Dinitrophenol	ND		ug/kg	790	76.
4,6-Dinitro-o-cresol	ND		ug/kg	430	79.
Pentachlorophenol	ND		ug/kg	130	36.

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8270D
Analytical Date: 09/22/20 01:44
Analyst: SZ

Extraction Method: EPA 3546
Extraction Date: 09/21/20 00:04

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1412316-1					
Phenol	ND		ug/kg	160	25.
2-Methylphenol	ND		ug/kg	160	25.
3-Methylphenol/4-Methylphenol	ND		ug/kg	240	26.
2,4,5-Trichlorophenol	ND		ug/kg	160	31.
Carbazole	ND		ug/kg	160	16.
Atrazine	ND		ug/kg	130	57.
Benzaldehyde	ND		ug/kg	220	44.
Caprolactam	ND		ug/kg	160	50.
2,3,4,6-Tetrachlorophenol	ND		ug/kg	160	33.
1,4-Dioxane	ND		ug/kg	24	7.5

Surrogate	%Recovery	Qualifier	Acceptance Criteria
2-Fluorophenol	79		25-120
Phenol-d6	83		10-120
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	77		30-120
2,4,6-Tribromophenol	70		10-136
4-Terphenyl-d14	87		18-120

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/21/20 20:14
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/21/20 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1412380-1					
Perfluorobutanoic Acid (PFBA)	ND		ug/kg	0.500	0.023
Perfluoropentanoic Acid (PFPeA)	ND		ug/kg	0.500	0.046
Perfluorobutanesulfonic Acid (PFBS)	ND		ug/kg	0.500	0.039
Perfluorohexanoic Acid (PFHxA)	ND		ug/kg	0.500	0.053
Perfluoroheptanoic Acid (PFHpA)	ND		ug/kg	0.500	0.045
Perfluorohexanesulfonic Acid (PFHxS)	ND		ug/kg	0.500	0.061
Perfluorooctanoic Acid (PFOA)	ND		ug/kg	0.500	0.042
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	ND		ug/kg	0.500	0.180
Perfluoroheptanesulfonic Acid (PFHpS)	ND		ug/kg	0.500	0.136
Perfluorononanoic Acid (PFNA)	ND		ug/kg	0.500	0.075
Perfluorooctanesulfonic Acid (PFOS)	ND		ug/kg	0.500	0.130
Perfluorodecanoic Acid (PFDA)	ND		ug/kg	0.500	0.067
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	ND		ug/kg	0.500	0.287
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	ND		ug/kg	0.500	0.202
Perfluoroundecanoic Acid (PFUnA)	ND		ug/kg	0.500	0.047
Perfluorodecanesulfonic Acid (PFDS)	ND		ug/kg	0.500	0.153
Perfluorooctanesulfonamide (FOSA)	ND		ug/kg	0.500	0.098
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	ND		ug/kg	0.500	0.085
Perfluorododecanoic Acid (PFDoA)	ND		ug/kg	0.500	0.070
Perfluorotridecanoic Acid (PFTrDA)	ND		ug/kg	0.500	0.204
Perfluorotetradecanoic Acid (PFTA)	ND		ug/kg	0.500	0.054
PFOA/PFOS, Total	ND		ug/kg	0.500	0.042

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 134,LCMSMS-ID
Analytical Date: 09/21/20 20:14
Analyst: SG

Extraction Method: ALPHA 23528
Extraction Date: 09/21/20 09:30

Parameter	Result	Qualifier	Units	RL	MDL
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab for sample(s): 01 Batch: WG1412380-1					

Surrogate (Extracted Internal Standard)	%Recovery	Qualifier	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	92		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	92		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	103		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	102		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	110		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	115		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	105		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	60		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	105		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	61		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	67		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	107		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	24		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	66		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	93		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	67		26-160

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1412316-2 WG1412316-3								
Acenaphthene	77		73		31-137	5		50
Hexachlorobenzene	70		66		40-140	6		50
Bis(2-chloroethyl)ether	78		73		40-140	7		50
2-Chloronaphthalene	78		74		40-140	5		50
3,3'-Dichlorobenzidine	79		77		40-140	3		50
2,4-Dinitrotoluene	90		88		40-132	2		50
2,6-Dinitrotoluene	90		86		40-140	5		50
Fluoranthene	83		80		40-140	4		50
4-Chlorophenyl phenyl ether	79		76		40-140	4		50
4-Bromophenyl phenyl ether	76		72		40-140	5		50
Bis(2-chloroisopropyl)ether	79		77		40-140	3		50
Bis(2-chloroethoxy)methane	90		86		40-117	5		50
Hexachlorobutadiene	62		58		40-140	7		50
Hexachlorocyclopentadiene	63		59		40-140	7		50
Hexachloroethane	63		59		40-140	7		50
Isophorone	88		83		40-140	6		50
Naphthalene	71		66		40-140	7		50
Nitrobenzene	89		85		40-140	5		50
NDPA/DPA	83		80		36-157	4		50
n-Nitrosodi-n-propylamine	91		86		32-121	6		50
Bis(2-ethylhexyl)phthalate	97		95		40-140	2		50
Butyl benzyl phthalate	96		93		40-140	3		50
Di-n-butylphthalate	93		92		40-140	1		50

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1412316-2 WG1412316-3								
Di-n-octylphthalate	98		96		40-140	2		50
Diethyl phthalate	84		81		40-140	4		50
Dimethyl phthalate	84		81		40-140	4		50
Benzo(a)anthracene	92		90		40-140	2		50
Benzo(a)pyrene	77		75		40-140	3		50
Benzo(b)fluoranthene	93		89		40-140	4		50
Benzo(k)fluoranthene	72		70		40-140	3		50
Chrysene	77		75		40-140	3		50
Acenaphthylene	84		81		40-140	4		50
Anthracene	85		83		40-140	2		50
Benzo(ghi)perylene	87		82		40-140	6		50
Fluorene	79		75		40-140	5		50
Phenanthrene	84		80		40-140	5		50
Dibenzo(a,h)anthracene	93		88		40-140	6		50
Indeno(1,2,3-cd)pyrene	93		88		40-140	6		50
Pyrene	84		81		35-142	4		50
Biphenyl	80		76		37-127	5		50
4-Chloroaniline	70		67		40-140	4		50
2-Nitroaniline	86		84		47-134	2		50
3-Nitroaniline	79		77		26-129	3		50
4-Nitroaniline	87		84		41-125	4		50
Dibenzofuran	80		76		40-140	5		50
2-Methylnaphthalene	83		79		40-140	5		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1412316-2 WG1412316-3								
1,2,4,5-Tetrachlorobenzene	70		66		40-117	6		50
Acetophenone	85		80		14-144	6		50
2,4,6-Trichlorophenol	91		87		30-130	4		50
p-Chloro-m-cresol	94		89		26-103	5		50
2-Chlorophenol	78		73		25-102	7		50
2,4-Dichlorophenol	90		83		30-130	8		50
2,4-Dimethylphenol	96		89		30-130	8		50
2-Nitrophenol	86		80		30-130	7		50
4-Nitrophenol	100		97		11-114	3		50
2,4-Dinitrophenol	75		74		4-130	1		50
4,6-Dinitro-o-cresol	76		73		10-130	4		50
Pentachlorophenol	69		68		17-109	1		50
Phenol	91	Q	87		26-90	4		50
2-Methylphenol	86		80		30-130	7		50
3-Methylphenol/4-Methylphenol	91		88		30-130	3		50
2,4,5-Trichlorophenol	83		79		30-130	5		50
Carbazole	88		85		54-128	3		50
Atrazine	85		82		40-140	4		50
Benzaldehyde	66		60		40-140	10		50
Caprolactam	87		87		15-130	0		50
2,3,4,6-Tetrachlorophenol	74		70		40-140	6		50
1,4-Dioxane	44		41		40-140	7		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1412316-2 WG1412316-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
2-Fluorophenol	77		72		25-120
Phenol-d6	85		80		10-120
Nitrobenzene-d5	90		84		23-120
2-Fluorobiphenyl	80		76		30-120
2,4,6-Tribromophenol	74		67		10-136
4-Terphenyl-d14	85		83		18-120

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1412380-2 WG1412380-3								
Perfluorobutanoic Acid (PFBA)	102		102		71-135	0		30
Perfluoropentanoic Acid (PFPeA)	106		106		69-132	0		30
Perfluorobutanesulfonic Acid (PFBS)	104		103		72-128	1		30
Perfluorohexanoic Acid (PFHxA)	105		104		70-132	1		30
Perfluoroheptanoic Acid (PFHpA)	100		101		71-131	1		30
Perfluorohexanesulfonic Acid (PFHxS)	100		103		67-130	3		30
Perfluorooctanoic Acid (PFOA)	102		99		69-133	3		30
1H,1H,2H,2H-Perfluorooctanesulfonic Acid (6:2FTS)	117		114		64-140	3		30
Perfluoroheptanesulfonic Acid (PFHpS)	102		107		70-132	5		30
Perfluorononanoic Acid (PFNA)	105		105		72-129	0		30
Perfluorooctanesulfonic Acid (PFOS)	110		114		68-136	4		30
Perfluorodecanoic Acid (PFDA)	101		101		69-133	0		30
1H,1H,2H,2H-Perfluorodecanesulfonic Acid (8:2FTS)	108		114		65-137	5		30
N-Methyl Perfluorooctanesulfonamidoacetic Acid (NMeFOSAA)	97		108		63-144	11		30
Perfluoroundecanoic Acid (PFUnA)	107		108		64-136	1		30
Perfluorodecanesulfonic Acid (PFDS)	128		131		59-134	2		30
Perfluorooctanesulfonamide (FOSA)	94		95		67-137	1		30
N-Ethyl Perfluorooctanesulfonamidoacetic Acid (NEtFOSAA)	114		119		61-139	4		30
Perfluorododecanoic Acid (PFDoA)	102		102		69-135	0		30
Perfluorotridecanoic Acid (PFTrDA)	100		98		66-139	2		30
Perfluorotetradecanoic Acid (PFTA)	114		118		69-133	3		30

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCS %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Perfluorinated Alkyl Acids by Isotope Dilution - Mansfield Lab Associated sample(s): 01 Batch: WG1412380-2 WG1412380-3								

Surrogate (Extracted Internal Standard)	LCS %Recovery	Qual	LCS %Recovery	Qual	Acceptance Criteria
Perfluoro[13C4]Butanoic Acid (MPFBA)	86		82		60-153
Perfluoro[13C5]Pentanoic Acid (M5PFPEA)	88		84		65-182
Perfluoro[2,3,4-13C3]Butanesulfonic Acid (M3PFBS)	102		99		70-151
Perfluoro[1,2,3,4,6-13C5]Hexanoic Acid (M5PFHxA)	98		91		61-147
Perfluoro[1,2,3,4-13C4]Heptanoic Acid (M4PFHpA)	107		100		62-149
Perfluoro[1,2,3-13C3]Hexanesulfonic Acid (M3PFHxS)	113		110		63-166
Perfluoro[13C8]Octanoic Acid (M8PFOA)	102		99		62-152
1H,1H,2H,2H-Perfluoro[1,2-13C2]Octanesulfonic Acid (M2-6:2FTS)	61		61		32-182
Perfluoro[13C9]Nonanoic Acid (M9PFNA)	105		101		61-154
Perfluoro[13C8]Octanesulfonic Acid (M8PFOS)	106		102		65-151
Perfluoro[1,2,3,4,5,6-13C6]Decanoic Acid (M6PFDA)	101		100		65-150
1H,1H,2H,2H-Perfluoro[1,2-13C2]Decanesulfonic Acid (M2-8:2FTS)	67		69		25-186
N-Deuteriomethylperfluoro-1-octanesulfonamidoacetic Acid (d3-NMeFOSAA)	68		63		45-137
Perfluoro[1,2,3,4,5,6,7-13C7]Undecanoic Acid (M7-PFUDA)	104		103		64-158
Perfluoro[13C8]Octanesulfonamide (M8FOSA)	6		15		1-125
N-Deuterioethylperfluoro-1-octanesulfonamidoacetic Acid (d5-NEtFOSAA)	70		66		42-136
Perfluoro[1,2-13C2]Dodecanoic Acid (MPFDOA)	98		97		56-148
Perfluoro[1,2-13C2]Tetradecanoic Acid (M2PFTEDA)	69		67		26-160

PCBS

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01
Client ID: S-01
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:45
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8082A
Analytical Date: 09/21/20 23:06
Analyst: CW
Percent Solids: 99%

Extraction Method: EPA 3546
Extraction Date: 09/20/20 19:58
Cleanup Method: EPA 3665A
Cleanup Date: 09/21/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Polychlorinated Biphenyls by GC - Westborough Lab							
Aroclor 1016	ND		ug/kg	32.3	2.86	1	A
Aroclor 1221	ND		ug/kg	32.3	3.23	1	A
Aroclor 1232	ND		ug/kg	32.3	6.84	1	A
Aroclor 1242	ND		ug/kg	32.3	4.35	1	A
Aroclor 1248	ND		ug/kg	32.3	4.84	1	A
Aroclor 1254	ND		ug/kg	32.3	3.53	1	A
Aroclor 1260	ND		ug/kg	32.3	5.96	1	A
Aroclor 1262	ND		ug/kg	32.3	4.10	1	A
Aroclor 1268	ND		ug/kg	32.3	3.34	1	A
PCBs, Total	ND		ug/kg	32.3	2.86	1	A

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	65		30-150	A
Decachlorobiphenyl	68		30-150	A
2,4,5,6-Tetrachloro-m-xylene	75		30-150	B
Decachlorobiphenyl	87		30-150	B

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8082A
Analytical Date: 09/21/20 22:13
Analyst: CW

Extraction Method: EPA 3546
Extraction Date: 09/20/20 19:56
Cleanup Method: EPA 3665A
Cleanup Date: 09/21/20
Cleanup Method: EPA 3660B
Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Polychlorinated Biphenyls by GC - Westborough Lab for sample(s): 01 Batch: WG1412301-1						
Aroclor 1016	ND		ug/kg	33.1	2.94	A
Aroclor 1221	ND		ug/kg	33.1	3.32	A
Aroclor 1232	ND		ug/kg	33.1	7.02	A
Aroclor 1242	ND		ug/kg	33.1	4.46	A
Aroclor 1248	ND		ug/kg	33.1	4.97	A
Aroclor 1254	ND		ug/kg	33.1	3.62	A
Aroclor 1260	ND		ug/kg	33.1	6.12	A
Aroclor 1262	ND		ug/kg	33.1	4.20	A
Aroclor 1268	ND		ug/kg	33.1	3.43	A
PCBs, Total	ND		ug/kg	33.1	2.94	A

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	45		30-150	A
Decachlorobiphenyl	46		30-150	A
2,4,5,6-Tetrachloro-m-xylene	50		30-150	B
Decachlorobiphenyl	56		30-150	B

Lab Control Sample Analysis Batch Quality Control

Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Polychlorinated Biphenyls by GC - Westborough Lab Associated sample(s): 01 Batch: WG1412301-2 WG1412301-3									
Aroclor 1016	60		60		40-140	0		50	A
Aroclor 1260	55		54		40-140	2		50	A

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	61		59		30-150	A
Decachlorobiphenyl	62		61		30-150	A
2,4,5,6-Tetrachloro-m-xylene	68		66		30-150	B
Decachlorobiphenyl	77		75		30-150	B

PESTICIDES

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01
Client ID: S-01
Sample Location: HENRIETTA, NY

Date Collected: 09/18/20 11:45
Date Received: 09/18/20
Field Prep: Not Specified

Sample Depth:

Matrix: Soil
Analytical Method: 1,8081B
Analytical Date: 09/23/20 14:38
Analyst: SL
Percent Solids: 99%

Extraction Method: EPA 3546
Extraction Date: 09/20/20 17:58
Cleanup Method: EPA 3620B
Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							
Delta-BHC	ND		ug/kg	1.53	0.300	1	A
Lindane	ND		ug/kg	0.638	0.285	1	A
Alpha-BHC	ND		ug/kg	0.638	0.181	1	A
Beta-BHC	ND		ug/kg	1.53	0.580	1	A
Heptachlor	ND		ug/kg	0.766	0.343	1	A
Aldrin	ND		ug/kg	1.53	0.539	1	A
Heptachlor epoxide	ND		ug/kg	2.87	0.861	1	A
Endrin	ND		ug/kg	0.638	0.262	1	A
Endrin aldehyde	ND		ug/kg	1.91	0.670	1	A
Endrin ketone	ND		ug/kg	1.53	0.394	1	A
Dieldrin	ND		ug/kg	0.957	0.478	1	A
4,4'-DDE	ND		ug/kg	1.53	0.354	1	A
4,4'-DDD	ND		ug/kg	1.53	0.546	1	A
4,4'-DDT	ND		ug/kg	2.87	1.23	1	A
Endosulfan I	ND		ug/kg	1.53	0.362	1	A
Endosulfan II	ND		ug/kg	1.53	0.512	1	A
Endosulfan sulfate	ND		ug/kg	0.638	0.304	1	A
Methoxychlor	ND		ug/kg	2.87	0.893	1	A
Toxaphene	ND		ug/kg	28.7	8.04	1	A
cis-Chlordane	ND		ug/kg	1.91	0.533	1	A
trans-Chlordane	ND		ug/kg	1.91	0.505	1	A
Chlordane	ND		ug/kg	12.8	5.07	1	A

Project Name: 1350 JEFFERSON**Lab Number:** L2039424**Project Number:** 2200916**Report Date:** 09/29/20**SAMPLE RESULTS**

Lab ID: L2039424-01

Date Collected: 09/18/20 11:45

Client ID: S-01

Date Received: 09/18/20

Sample Location: HENRIETTA, NY

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Column
Organochlorine Pesticides by GC - Westborough Lab							

Surrogate	% Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	91		30-150	A
Decachlorobiphenyl	86		30-150	A
2,4,5,6-Tetrachloro-m-xylene	83		30-150	B
Decachlorobiphenyl	75		30-150	B

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Analytical Method: 1,8081B
Analytical Date: 09/23/20 10:46
Analyst: SM

Extraction Method: EPA 3546
Extraction Date: 09/20/20 17:56
Cleanup Method: EPA 3620B
Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1412292-1						
Delta-BHC	ND		ug/kg	1.52	0.298	A
Lindane	ND		ug/kg	0.634	0.284	A
Alpha-BHC	ND		ug/kg	0.634	0.180	A
Beta-BHC	ND		ug/kg	1.52	0.577	A
Heptachlor	ND		ug/kg	0.761	0.341	A
Aldrin	ND		ug/kg	1.52	0.536	A
Heptachlor epoxide	ND		ug/kg	2.86	0.856	A
Endrin	ND		ug/kg	0.634	0.260	A
Endrin aldehyde	ND		ug/kg	1.90	0.666	A
Endrin ketone	ND		ug/kg	1.52	0.392	A
Dieldrin	ND		ug/kg	0.952	0.476	A
4,4'-DDE	ND		ug/kg	1.52	0.352	A
4,4'-DDD	ND		ug/kg	1.52	0.543	A
4,4'-DDT	ND		ug/kg	2.86	1.22	A
Endosulfan I	ND		ug/kg	1.52	0.360	A
Endosulfan II	ND		ug/kg	1.52	0.509	A
Endosulfan sulfate	ND		ug/kg	0.634	0.302	A
Methoxychlor	ND		ug/kg	2.86	0.888	A
Toxaphene	ND		ug/kg	28.6	7.99	A
cis-Chlordane	ND		ug/kg	1.90	0.530	A
trans-Chlordane	ND		ug/kg	1.90	0.502	A
Chlordane	ND		ug/kg	12.7	5.04	A

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8081B
 Analytical Date: 09/23/20 10:46
 Analyst: SM

Extraction Method: EPA 3546
 Extraction Date: 09/20/20 17:56
 Cleanup Method: EPA 3620B
 Cleanup Date: 09/21/20

Parameter	Result	Qualifier	Units	RL	MDL	Column
Organochlorine Pesticides by GC - Westborough Lab for sample(s): 01 Batch: WG1412292-1						

Surrogate	%Recovery	Qualifier	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	120		30-150	A
Decachlorobiphenyl	106		30-150	A
2,4,5,6-Tetrachloro-m-xylene	93		30-150	B
Decachlorobiphenyl	128		30-150	B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits	Column
Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1412292-2 WG1412292-3									
Delta-BHC	67		72		30-150	7		30	A
Lindane	67		74		30-150	10		30	A
Alpha-BHC	74		82		30-150	10		30	A
Beta-BHC	82		85		30-150	4		30	A
Heptachlor	66		74		30-150	11		30	A
Aldrin	68		72		30-150	6		30	A
Heptachlor epoxide	62		70		30-150	12		30	A
Endrin	66		75		30-150	13		30	A
Endrin aldehyde	45		55		30-150	20		30	A
Endrin ketone	54		58		30-150	7		30	A
Dieldrin	67		75		30-150	11		30	A
4,4'-DDE	63		72		30-150	13		30	A
4,4'-DDD	66		75		30-150	13		30	A
4,4'-DDT	66		74		30-150	11		30	A
Endosulfan I	76		85		30-150	11		30	A
Endosulfan II	56		65		30-150	15		30	A
Endosulfan sulfate	48		54		30-150	12		30	A
Methoxychlor	74		81		30-150	9		30	A
cis-Chlordane	72		78		30-150	8		30	A
trans-Chlordane	71		83		30-150	16		30	A

Lab Control Sample Analysis **Batch Quality Control**

Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits

Organochlorine Pesticides by GC - Westborough Lab Associated sample(s): 01 Batch: WG1412292-2 WG1412292-3

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria	Column
2,4,5,6-Tetrachloro-m-xylene	96		103		30-150	A
Decachlorobiphenyl	93		101		30-150	A
2,4,5,6-Tetrachloro-m-xylene	71		76		30-150	B
Decachlorobiphenyl	99		98		30-150	B

METALS

Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

SAMPLE RESULTS

Lab ID: L2039424-01

Date Collected: 09/18/20 11:45

Client ID: S-01

Date Received: 09/18/20

Sample Location: HENRIETTA, NY

Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 99%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Aluminum, Total	1600		mg/kg	7.95	2.15	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Antimony, Total	ND		mg/kg	3.97	0.302	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Arsenic, Total	3.95		mg/kg	0.795	0.165	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Barium, Total	12.7		mg/kg	0.795	0.138	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Beryllium, Total	0.103	J	mg/kg	0.397	0.026	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.795	0.078	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Calcium, Total	108000		mg/kg	79.5	27.8	20	09/25/20 08:20	09/25/20 13:11	EPA 3050B	1,6010D	LC
Chromium, Total	3.57		mg/kg	0.795	0.076	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Cobalt, Total	1.84		mg/kg	1.59	0.132	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Copper, Total	3.00		mg/kg	0.795	0.205	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Iron, Total	6520		mg/kg	3.97	0.718	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Lead, Total	20.8		mg/kg	3.97	0.213	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Magnesium, Total	63400		mg/kg	79.5	12.2	20	09/25/20 08:20	09/25/20 13:11	EPA 3050B	1,6010D	LC
Manganese, Total	215		mg/kg	0.795	0.126	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Mercury, Total	ND		mg/kg	0.075	0.049	1	09/25/20 16:24	09/25/20 18:08	EPA 7471B	1,7471B	EW
Nickel, Total	3.03		mg/kg	1.99	0.192	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Potassium, Total	951		mg/kg	199	11.4	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Selenium, Total	0.278	J	mg/kg	1.59	0.205	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Silver, Total	ND		mg/kg	0.795	0.225	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Sodium, Total	143	J	mg/kg	159	2.50	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Thallium, Total	ND		mg/kg	1.59	0.250	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Vanadium, Total	4.31		mg/kg	0.795	0.161	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC
Zinc, Total	51.4		mg/kg	3.97	0.233	2	09/25/20 08:20	09/25/20 12:14	EPA 3050B	1,6010D	LC



Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1414225-1										
Aluminum, Total	ND		mg/kg	4.00	1.08	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Antimony, Total	ND		mg/kg	2.00	0.152	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Arsenic, Total	ND		mg/kg	0.400	0.083	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Barium, Total	ND		mg/kg	0.400	0.070	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Beryllium, Total	ND		mg/kg	0.200	0.013	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Cadmium, Total	ND		mg/kg	0.400	0.039	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Calcium, Total	ND		mg/kg	4.00	1.40	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Chromium, Total	ND		mg/kg	0.400	0.038	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Cobalt, Total	ND		mg/kg	0.800	0.066	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Copper, Total	ND		mg/kg	0.400	0.103	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Iron, Total	ND		mg/kg	2.00	0.361	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Lead, Total	ND		mg/kg	2.00	0.107	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Magnesium, Total	ND		mg/kg	4.00	0.616	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Manganese, Total	ND		mg/kg	0.400	0.064	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Nickel, Total	ND		mg/kg	1.00	0.097	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Potassium, Total	ND		mg/kg	100	5.76	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Selenium, Total	ND		mg/kg	0.800	0.103	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Silver, Total	ND		mg/kg	0.400	0.113	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Sodium, Total	1.62	J	mg/kg	80.0	1.26	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Thallium, Total	ND		mg/kg	0.800	0.126	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Vanadium, Total	ND		mg/kg	0.400	0.081	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC
Zinc, Total	ND		mg/kg	2.00	0.117	1	09/25/20 08:20	09/25/20 11:48	1,6010D	LC

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01 Batch: WG1414229-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	09/25/20 16:24	09/25/20 17:49	1,7471B	EW



Project Name: 1350 JEFFERSON

Lab Number: L2039424

Project Number: 2200916

Report Date: 09/29/20

Method Blank Analysis Batch Quality Control

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1414225-2 SRM Lot Number: D109-540								
Aluminum, Total	66		-		50-150	-		
Antimony, Total	161		-		19-250	-		
Arsenic, Total	96		-		70-130	-		
Barium, Total	90		-		75-125	-		
Beryllium, Total	105		-		75-125	-		
Cadmium, Total	108		-		75-125	-		
Calcium, Total	100		-		73-128	-		
Chromium, Total	96		-		70-130	-		
Cobalt, Total	107		-		75-125	-		
Copper, Total	92		-		75-125	-		
Iron, Total	82		-		35-165	-		
Lead, Total	90		-		72-128	-		
Magnesium, Total	82		-		62-138	-		
Manganese, Total	92		-		74-126	-		
Nickel, Total	104		-		70-130	-		
Potassium, Total	83		-		59-141	-		
Selenium, Total	102		-		68-132	-		
Silver, Total	90		-		68-131	-		
Sodium, Total	106		-		35-165	-		
Thallium, Total	102		-		68-131	-		
Vanadium, Total	90		-		59-141	-		

Lab Control Sample Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	LCS %Recovery	LCSD %Recovery	%Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1414225-2 SRM Lot Number: D109-540					
Zinc, Total	94	-	70-130	-	
Total Metals - Mansfield Lab Associated sample(s): 01 Batch: WG1414229-2 SRM Lot Number: D109-540					
Mercury, Total	105	-	60-140	-	

Matrix Spike Analysis

Batch Quality Control

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1414225-3 QC Sample: L2039946-01 Client ID: MS Sample												
Aluminum, Total	10800	215	12100	605	Q	-	-		75-125	-		20
Antimony, Total	0.374J	53.7	42.4	79		-	-		75-125	-		20
Arsenic, Total	11.5	12.9	25.2	106		-	-		75-125	-		20
Barium, Total	57.6	215	252	90		-	-		75-125	-		20
Beryllium, Total	0.557	5.37	5.37	90		-	-		75-125	-		20
Cadmium, Total	ND	5.48	4.51	82		-	-		75-125	-		20
Calcium, Total	2850	1070	3840	92		-	-		75-125	-		20
Chromium, Total	22.2	21.5	39.6	81		-	-		75-125	-		20
Cobalt, Total	8.55	53.7	52.2	81		-	-		75-125	-		20
Copper, Total	17.8	26.9	41.8	89		-	-		75-125	-		20
Iron, Total	21200	107	17100	0	Q	-	-		75-125	-		20
Lead, Total	8.65	54.8	55.3	85		-	-		75-125	-		20
Magnesium, Total	3960	1070	4780	76		-	-		75-125	-		20
Manganese, Total	231	53.7	285	100		-	-		75-125	-		20
Nickel, Total	17.3	53.7	59.8	79		-	-		75-125	-		20
Potassium, Total	2460	1070	3400	87		-	-		75-125	-		20
Selenium, Total	0.273J	12.9	11.8	92		-	-		75-125	-		20
Silver, Total	ND	32.2	29.3	91		-	-		75-125	-		20
Sodium, Total	447	1070	1420	90		-	-		75-125	-		20
Thallium, Total	ND	12.9	10.6	82		-	-		75-125	-		20
Vanadium, Total	25.7	53.7	71.8	86		-	-		75-125	-		20

Matrix Spike Analysis Batch Quality Control

Project Name: 1350 JEFFERSON

Project Number: 2200916

Lab Number: L2039424

Report Date: 09/29/20

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	MSD Found	MSD %Recovery	Recovery Limits	RPD	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1414225-3 QC Sample: L2039946-01 Client ID: MS Sample									
Zinc, Total	55.1	53.7	97.3	78	-	-	75-125	-	20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1414229-3 QC Sample: L2039368-01 Client ID: MS Sample									
Mercury, Total	0.175	0.164	0.328	93	-	-	80-120	-	20

Lab Duplicate Analysis *Batch Quality Control*

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1414225-4 QC Sample: L2039946-01 Client ID: DUP Sample						
Arsenic, Total	11.5	10.6	mg/kg	8		20
Barium, Total	57.6	49.4	mg/kg	15		20
Cadmium, Total	ND	ND	mg/kg	NC		20
Chromium, Total	22.2	21.3	mg/kg	4		20
Lead, Total	8.65	7.96	mg/kg	8		20
Selenium, Total	0.273J	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01 QC Batch ID: WG1414229-4 QC Sample: L2039368-01 Client ID: DUP Sample						
Mercury, Total	0.175	0.185	mg/kg	6		20

INORGANICS & MISCELLANEOUS

Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2039424**Report Date:** 09/29/20**SAMPLE RESULTS****Lab ID:** L2039424-01**Client ID:** S-01**Sample Location:** HENRIETTA, NY**Date Collected:** 09/18/20 11:45**Date Received:** 09/18/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.9		%	0.100	NA	1	-	09/19/20 14:49	121,2540G	RI



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2039424**Report Date:** 09/29/20**SAMPLE RESULTS****Lab ID:** L2039424-02**Client ID:** S-02**Sample Location:** HENRIETTA, NY**Date Collected:** 09/18/20 11:47**Date Received:** 09/18/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	98.4		%	0.100	NA	1	-	09/23/20 09:35	121,2540G	RI



Project Name: 1350 JEFFERSON**Project Number:** 2200916**Lab Number:** L2039424**Report Date:** 09/29/20**SAMPLE RESULTS****Lab ID:** L2039424-03**Client ID:** S-03**Sample Location:** HENRIETTA, NY**Date Collected:** 09/18/20 11:48**Date Received:** 09/18/20**Field Prep:** Not Specified**Sample Depth:****Matrix:** Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	97.5		%	0.100	NA	1	-	09/23/20 09:35	121,2540G	RI



Lab Duplicate Analysis *Batch Quality Control*

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01 QC Batch ID: WG1412109-1 QC Sample: L2039177-01 Client ID: DUP Sample						
Solids, Total	73.1	75.0	%	3		20
General Chemistry - Westborough Lab Associated sample(s): 02-03 QC Batch ID: WG1413392-1 QC Sample: L2039327-11 Client ID: DUP Sample						
Solids, Total	73.8	73.1	%	1		20

Project Name: 1350 JEFFERSON**Lab Number:** L2039424**Project Number:** 2200916**Report Date:** 09/29/20**Sample Receipt and Container Information**

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2039424-01A	Plastic 2oz unpreserved for TS	A	NA		5.6	Y	Absent		TS(7)
L2039424-01B	Metals Only-Glass 60mL/2oz unpreserved	A	NA		5.6	Y	Absent		BE-Ti(180),BA-Ti(180),AS-Ti(180),AG-Ti(180),TL-Ti(180),CR-Ti(180),NI-Ti(180),AL-Ti(180),SB-Ti(180),ZN-Ti(180),CU-Ti(180),SE-Ti(180),PB-Ti(180),V-Ti(180),CO-Ti(180),HG-T(28),MN-Ti(180),FE-Ti(180),MG-Ti(180),CA-Ti(180),CD-Ti(180),NA-Ti(180),K-Ti(180)
L2039424-01C	Plastic 8oz unpreserved	A	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2039424-01D	Plastic 8oz unpreserved	A	NA		5.6	Y	Absent		A2-NY-537-ISOTOPE(14)
L2039424-01E	Glass 250ml/8oz unpreserved	A	NA		5.6	Y	Absent		NYTCL-8270(14),NYTCL-8081(14),NYTCL-8082(14)
L2039424-02A	Vial Large Septa unpreserved (4oz)	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2039424-02X	Vial MeOH preserved split	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2039424-02Y	Vial Water preserved split	A	NA		5.6	Y	Absent	29-SEP-20 01:26	NYTCL-8260-R2(14)
L2039424-02Z	Vial Water preserved split	A	NA		5.6	Y	Absent	29-SEP-20 01:26	NYTCL-8260-R2(14)
L2039424-03A	Vial Large Septa unpreserved (4oz)	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14),TS(7)
L2039424-03X	Vial MeOH preserved split	A	NA		5.6	Y	Absent		NYTCL-8260-R2(14)
L2039424-03Y	Vial Water preserved split	A	NA		5.6	Y	Absent	29-SEP-20 01:26	NYTCL-8260-R2(14)
L2039424-03Z	Vial Water preserved split	A	NA		5.6	Y	Absent	29-SEP-20 01:26	NYTCL-8260-R2(14)

Project Name: 1350 JEFFERSON
Project Number: 2200916

Serial_No:09292013:41
Lab Number: L2039424
Report Date: 09/29/20

PFAS PARAMETER SUMMARY

Parameter	Acronym	CAS Number
PERFLUOROALKYL CARBOXYLIC ACIDS (PFCAs)		
Perfluorooctadecanoic Acid	PFODA	16517-11-6
Perfluorohexadecanoic Acid	PFHxDA	67905-19-5
Perfluorotetradecanoic Acid	PFTA	376-06-7
Perfluorotridecanoic Acid	PFTrDA	72629-94-8
Perfluorododecanoic Acid	PFDaA	307-55-1
Perfluoroundecanoic Acid	PFUnA	2058-94-8
Perfluorodecanoic Acid	PFDA	335-76-2
Perfluorononanoic Acid	PFNA	375-95-1
Perfluorooctanoic Acid	PFOA	335-67-1
Perfluoroheptanoic Acid	PFHpA	375-85-9
Perfluorohexanoic Acid	PFHxA	307-24-4
Perfluoropentanoic Acid	PFPeA	2706-90-3
Perfluorobutanoic Acid	PFBA	375-22-4
PERFLUOROALKYL SULFONIC ACIDS (PFSA's)		
Perfluorododecanesulfonic Acid	PFDaDS	79780-39-5
Perfluorodecanesulfonic Acid	PFDS	335-77-3
Perfluorononanesulfonic Acid	PFNS	68259-12-1
Perfluorooctanesulfonic Acid	PFOS	1763-23-1
Perfluoroheptanesulfonic Acid	PFHpS	375-92-8
Perfluorohexanesulfonic Acid	PFHxS	355-46-4
Perfluoropentanesulfonic Acid	PFPeS	2706-91-4
Perfluorobutanesulfonic Acid	PFBS	375-73-5
FLUOROTELOMERS		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid	10:2FTS	120226-60-0
1H,1H,2H,2H-Perfluorodecanesulfonic Acid	8:2FTS	39108-34-4
1H,1H,2H,2H-Perfluorooctanesulfonic Acid	6:2FTS	27619-97-2
1H,1H,2H,2H-Perfluorohexanesulfonic Acid	4:2FTS	757124-72-4
PERFLUOROALKANE SULFONAMIDES (FASAs)		
Perfluorooctanesulfonamide	FOSA	754-91-6
N-Ethyl Perfluorooctane Sulfonamide	NEtFOSA	4151-50-2
N-Methyl Perfluorooctane Sulfonamide	NMeFOSA	31506-32-8
PERFLUOROALKANE SULFONYL SUBSTANCES		
N-Ethyl Perfluorooctanesulfonamido Ethanol	NEtFOSE	1691-99-2
N-Methyl Perfluorooctanesulfonamido Ethanol	NMeFOSE	24448-09-7
N-Ethyl Perfluorooctanesulfonamidoacetic Acid	NEtFOSAA	2991-50-6
N-Methyl Perfluorooctanesulfonamidoacetic Acid	NMeFOSAA	2355-31-9
PER- and POLYFLUOROALKYL ETHER CARBOXYLIC ACIDS		
2,3,3,3-Tetrafluoro-2-[1,1,2,2,3,3,3-Heptafluoropropoxy]-Propanoic Acid	HFPO-DA	13252-13-6
4,8-Dioxa-3h-Perfluorononanoic Acid	ADONA	919005-14-4
CHLORO-PERFLUOROALKYL SULFONIC ACIDS		
11-Chloroeicosafluoro-3-Oxaundecane-1-Sulfonic Acid	11Cl-PF3OUdS	763051-92-9
9-Chlorohexadecafluoro-3-Oxanone-1-Sulfonic Acid	9Cl-PF3ONS	756426-58-1
PERFLUOROETHER SULFONIC ACIDS (PFESAs)		
Perfluoro(2-Ethoxyethane)Sulfonic Acid	PFEEESA	113507-82-7
PERFLUOROETHER/POLYETHER CARBOXYLIC ACIDS (PFPCAs)		
Perfluoro-3-Methoxypropanoic Acid	PFMPA	377-73-1
Perfluoro-4-Methoxybutanoic Acid	PFMBA	863090-89-5
Nonafluoro-3,6-Dioxaheptanoic Acid	NFDHA	151772-58-6

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
	Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenzo(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: 1350 JEFFERSON**Lab Number:** L2039424**Project Number:** 2200916**Report Date:** 09/29/20**Data Qualifiers**

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers

Project Name: 1350 JEFFERSON
Project Number: 2200916

Lab Number: L2039424
Report Date: 09/29/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.
- 121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.
- 134 Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) using Isotope Dilution. Alpha SOP 23528.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

Revision 17

Published Date: 4/28/2020 9:42:21 AM

Page 1 of 1

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

 NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-896-8220 FAX: 508-896-8183		Service Centers Mahwah, NJ 07430: 35 Whitney Rd., Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave., Suite 105		Page of 1		Date Rec'd in Lab 9/19/20		ALPHA Job # L239424	
Client Information Client: LaBella Address: 300 State Street Rochester, NY 14604 Phone: 585-454-6110 Fax: Email: mpelycherty@labellape.com		Project Information Project Name: 1350 Jefferson Project Location: Henrietta, NY Project # 2200916 (Use Project name as Project #) ☐ Project Manager: Mike Pelycherty ALPHAQuote #: Turn-Around Time Standard ☒ Due Date: Rush (only if pre approved) ☐ # of Days:		Deliverables ☐ ASP-A ☐ ASP-B ☐ EQUS (1 File) ☐ EQUS (4 File) ☐ Other		Billing Information ☐ Same as Client Info PO # 2200916		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge	
These samples have been previously analyzed by Alpha ☐ Other project specific requirements/comments:		ANALYSIS TCL VOCs TCL SVOCs TAL Metals PCBs Pesticides 1,4 Dioxane PFAS		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: ☐ NJ ☐ NY ☐ Other:		Sample Filtration ☐ Done ☐ Lab to do ☐ Lab to do (Please Specify below)		Sample Specific Comments	
ALPHA Lab ID (Lab Use Only)		Sample ID		Collection Date Time		Sample Matrix		Sampler's Initials	
39814-01 -02 -03		S-01 S-02 S-03		6/18/20 1145 1 1147 1 1148		soil 1 1		[Initials] [Initials] [Initials]	
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₈ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA805 Mansfield: Certification No: MA015		Container Type		Preservative	
Relinquished By: [Signature] R. Cunningham AAL		Date/Time 6/18/20 12:15 9/18/20 17:50		Received By: [Signature] R. Cunningham AAL [Signature]		Date/Time 9/18/20 17:50 9/19/20 01:20		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)	



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0480		

10/29/2020 7:23 am **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To: jefferson rd

P.O.:
Product: 00001 **CR 5/8" (0-1)**
Pile #:
Vehicle: GT16 **60611MM - Greentech 2016 Pete**
Zone: 475 **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 106928

COPY 3

*** Outgoing ***

	Pounds	Tons
Gross:	64,880	32.44
Tare:	25,640	12.82
Net:	39,240	19.62

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	19.62 Loads: 1
Todate:	148.65

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.
ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0480		

10/12/2020 1:07 pm **00902 - Penfield Stone**
Customer: 901064 **LE CHASE CONSTRUCTION SERVICE**
Job: 10 **L3Harris Site Jefferson Rd. 2090038.02**
Deliver To:

P.O.:
Product: 00001 **CR 5/8" (0-1)**
Pile #:
Vehicle: VV07 **13954MJ - Valley View 02 Mack**
Zone: 475 **Haul Code: -- Haul Units: 0.00**
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 105251

COPY 1

*** Outgoing ***

	Pounds	Tons
Gross:	70,800	35.40
Tare:	26,160	13.08
Net:	44,640	22.32

Ordered:	
Received:	
Remaining:	
Tax ID: 2605 / Monroe County	
Today:	22.32 Loads: 1
Todate:	129.03

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.

ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/21/2020 12:42 pm **00902 - Penfield Stone**
 Customer: 901066 LE CESSE CONSTRUCTION CO
 Job: 01 **PO NEEDED**MISC TAXABLE
 Deliver To: jefferson rd

P.O.:
Product: 00001 CR 5/8" (0-1)
Pile #:
Vehicle: CT-07 CUTAIA07 06 Freig Cutaia
Zone: None Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 106230

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	67,240	33.62*
Tare:	25,960	12.98
Net:	41,280	20.64

Ordered:
 Received:
 Remaining:

Tax ID: 2605 / Monroe County
 Today: 20.64 Loads: 1
 Totals: 20.64

Weighmaster: Michelle 540106



MAIN OFFICE 1150 PENFIELD RD.

ROCHESTER, NY 14625 585-381-7010

GATES	585-235-9292	WALWORTH	315-524-2771	BROCKPORT	585-637-6834
MANCHESTER	315-462-2752	PALMYRA	315-331-2360	HOWARD	607-566-3422
PENFIELD	585-586-2567	LEROY	585-768-7295	BATH	607-776-3357
		OGDEN	585-352-0460		

10/21/2020 2:02 pm **00902 - Penfield Stone**
 Customer: 901066 LE CESSE CONSTRUCTION CO
 Job: 01 **PO NEEDED**MISC TAXABLE
 Deliver To: jefferson rd

P.O.:
Product: 00001 CR 5/8" (0-1)
Pile #:
Vehicle: CT-07 CUTAIA07 06 Freig Cutaia
Zone: None Haul Code: -- Haul Units: 0.00
Received:

It is the responsibility of each customer, and each driver, hauling product from our facility to comply with highway load limit laws. Tax exemptions, tax jurisdictions, and special tax handling not incorporated into a specific quote or reported at time of ticketing will be the customer's responsibility to resolve with the taxing jurisdictions. Pricing issues must be reported within 15 days of invoice date. Corrected invoices remain due on original due date. Incorporation of this material into a project shall be considered acceptance by the customer.

Ticket No.: 106248

COPY 2

*** Outgoing ***

	Pounds	Tons
Gross:	66,720	33.36
Tare:	25,960	12.98
Net:	40,760	20.38

Ordered:
 Received:
 Remaining:

Tax ID: 2605 / Monroe County
 Today: 41.02 Loads: 2
 Totals: 41.02

Weighmaster: Michelle 540106



APPENDIX 5

Wastewater Discharge Permits

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. 8574

ST- Permit No: 399

Fee: \$125.00

Expires: 4/30/2021 ^{DW}

FirmName

LaBella Associates OPC

Address

300 State Street

Rochester NY 14614

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated 10/21/2020 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. See Enclosure

B. _____

C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.

2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.

3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.

4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.

5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.

6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print)

Michael F. Pelychatsky

Applicant's Signature

Michael F. Pelychatsky

Date

10/21/2020

Applicant's Title

Project Manager

Phone

585-245-6253

Emergency Contact

Don Neil

Phone

585-245-6611

Renewal Approved by:

Michael J. Garland

Issued this

5th day of Nov 2020

Michael J. Garland, P.E.

Director of Environmental Services-Pure Waters

Monroe County

**COUNTY OF MONROE
SEWER USE PERMIT ENCLOSURE**

LaBella Associates, DPC
300 State Street
Rochester, NY 14614

PERMIT NUMBER: ST-399
DISTRICT NUMBER: 8574

SITE LOCATION: 1350 Jefferson Road, Henrietta, New York 14623
TYPE OF BUSINESS: Industrial Site/Groundwater from Construction Activities
SAMPLE POINT: Tank

REQUIRED MONITORING

SELF MONITORING FREQUENCY: Each Tank Discharge

SAMPLING PROTOCOL: Sampling and analysis shall be performed in accordance with the techniques prescribed in 40 CFR Part 136 and amendments thereto. In the absence of 40 CFR Part 136 testing methodology, a New York State Department of Health, approved method is acceptable. A grab sample, collected from the above noted sample point shall be analyzed for the following:

* Volatile Organic Compounds

* The summation of all volatile organic compounds reported greater than 10 µg/l shall not exceed 2.13 mg/L.

SPECIAL CONDITIONS:

- 1. Sample results for each tank must be reviewed and approved by Monroe County prior to discharge.**
- 2. Discharge location and rate to be approved by Town of Henrietta.**
- 3. Treatment system is to be inspected and approved by Monroe County prior to discharge if treatment is required.**
- 4. The summation of volatile organic compounds detected greater than 10 µg/L cannot be greater than 2.13 mg/L.**

DW: 10/29/2020

ST-399



TOWN OF HENRIETTA

County of Monroe • State of New York
475 Calkins Road, P.O. Box 999, Henrietta, N.Y. 14467
(585) 334-7700 • www.henrietta.org

STEPHEN L. SCHULTZ
Supervisor

CRAIG C. ECKERT
Deputy Town Supervisor

ROBERT BARLEY, JR.
MICHAEL J. STAFFORD
MILLIE C. SEFRANEK
LISA S. BOLZNER
Council Members

November 2, 2020

Mr. Michael Pelychaty, PG
Senior Environmental Geologist
LaBella Associates
300 State Street, Suite 201
Rochester, New York 14614

Re: Temporary Short Term Discharge to Town of Henrietta Sanitary Sewers
L3Harris Technologies
1350 Jefferson Road

Dear Mr. Pelychaty:

The Town of Henrietta has reviewed and approved your request for discharging groundwater from the remediation being performed at the L3Harris Technologies facility located at 1350 Jefferson Road into the Town's sanitary sewer system with the following conditions:

1. The groundwater discharge going into the Town's sanitary sewer system shall not exceed the thresholds indicated in Section 219-12 of the Henrietta Town Code.
2. The flow rate going into the sanitary sewer cannot exceed five gallons per minute.
3. The groundwater cannot be discharged into the sanitary sewer during a rainfall event.
4. The Town Sewer Department shall be notified at (585) 729-7563 twenty-four hours prior to any work taking place.

L3Harris Technologies
1350 Jefferson Road
November 2, 2020
Page 2

If you have any questions regarding the above, please contact me at (585) 359-7070.

Sincerely,



Christopher E. Martin, P.E.
Director of Engineering & Planning

cc: Donald Wolf – Monroe County Department of Environmental Services
Kevin Wilson – Director of Building & Fire Prevention
Michael Catalano – Drainage, Sewer, and Sidewalk Foreman
File

Chris Martin

From: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Sent: Monday, November 2, 2020 10:59 AM
To: Chris Martin
Subject: FW: Groundwater Lab testing
Attachments: permit Application 1350 Jefferson Rd.pdf

Chris,

Per our conversation, below is the following information you requested. Most of this information was provided to Don Wolf with MCPW as part of the permit. Please let me know if you require and additional information.

Contact person name, phone #	Michael Pelychaty, PG Office: 585-295-6253 Cell: 585-507-7198 mpelychaty@labellapc.com
Site name, address	L3Harris Technologies, 1350 Jefferson Road, Henrietta, New York 14623
Water Source	Water was pumped from an approximate 3 ft excavation to install a foundation for a new building that borders the north side of the building
Quantity of wastewater to be discharged	Approximately 5,000 gallons.
Discharge Method	Understand cannot discharge during rain events and limit is 5 gallons per minute
Expected date of discharge	Between November 2020 to December 2020
Project duration	1 to 5 days

Michael Pelychaty, PG

LaBella Associates | Sr. Environmental Geologist

585-295-6253 direct
585-454-6110 office

From: Donald Wolf [mailto:DonaldWolf@monroecounty.gov]
Sent: Friday, October 30, 2020 2:30 PM
To: Pelychaty,Mike <mpelychaty@LaBellaPC.com>
Subject: RE: Groundwater Lab testing

You will need to contact Chris Martin from the Town of Henrietta to get approval for a discharge location and rate. His number is 359-7056, or email: cmartin@henrietta.org
I told him that this is part of a short term permit application at 1350 Jefferson Road and the County has no issue with the discharge.
The discharge cannot be approved by the County until I receive the Henrietta approval letter (which Chris said he could cc to me).

Donald Wolf

Industrial Waste Engineer

SPECIALTY SHORT TERM DISCHARGE PERMIT

County of Monroe Pure Waters District No. _____

ST- Permit No: _____

Fee: \$125.00

Expires: _____

FirmName LaBella Associates OPC
Address 300 State Street
Rochester NY 14614

Type of Business or Service _____

I. The above-named applicant is permitted to discharge wastes into the Monroe County Pure Waters Sewer system or Tributary thereto as applied for by an application dated 10/21/2020 and verified by the applicant except the Director of Pure Waters requires the following terms and conditions to govern the permitted discharge:

A. _____
B. _____
C. _____

II. The applicant further agrees to:

1. Accept and abide by all provisions of the Sewer Use Law of Monroe County and of all pertinent rules or regulations now in force or shall be adopted in the future.
2. Notify the Director of Pure Waters in writing of any revision to the plant sewer system or any change in industrial wastes discharge to the public sewers as listed in the application. The latter encompasses either (1) an increase or decrease in average daily volume or strength of wastes listed in the application or (2) new wastes that were not listed in the application.
3. Furnish the Director of Pure Waters upon request any additional information related to the installation or use of sewer or drain for which this permit is sought.
4. Operate and maintain any waste pretreatment facilities, as may be required as a condition of the acceptance into the public sewer of the industrial wastes involved, in an efficient manner at all times, and at no expense to the County.
5. Cooperate with the Director of Pure Waters or his representatives in their inspecting, sampling, and study of wastes, or the facilities provided for pretreatment.
6. Notify the Director of Pure Waters immediately of any accident, negligence, breakdown of pretreatment equipment, or other occurrence that occasions discharge to the public sewers of any wastes or process waters not covered by this permit.

Applicant's Name (please print) Michael F. Pelychaty

Applicant's Signature Michael F. Pelychaty Date 10/20/2020

Applicant's Title Project Manager Phone 585-245-6253

Emergency Contact Don Neil Phone 585-245-6611

Renewal Approved by: _____ Issued this ____ day of ____ 20 ____.

Michael J. Garland, P.E.
Director of Environmental Services-Pure Waters
Monroe County



LBEASS-01

AKEEFE

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/23/2019

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Paris-Kirwan Associates, Inc. PO Box 40420 Rochester, NY 14604	CONTACT NAME: PHONE (A/C, No, Ext): (585) 473-8000 E-MAIL ADDRESS: reception@paris-kirwan.com	FAX (A/C, No): (585) 340-1714
	INSURER(S) AFFORDING COVERAGE	
INSURED LaBella Associates, PC & LaBella Associates, DPC 300 State Street, Suite 201 Rochester, NY 14614	INSURER A: Acadia Insurance Company	NAIC # 31325
	INSURER B: Union Insurance Company	25844
	INSURER C:	
	INSURER D:	
	INSURER E:	
	INSURER F:	

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☐ LOC OTHER:			CPA5365357-12	11/7/2019	11/7/2020	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 1,000,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG \$ 2,000,000
B	☒ AUTOMOBILE LIABILITY ☒ ANY AUTO ☐ OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☐ HIRED AUTOS ONLY ☐ NON-OWNED AUTOS ONLY			CAA5365358-12	11/7/2019	11/7/2020	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☒ UMBRELLA LIAB ☒ OCCUR ☐ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 10,000			CUA5365359-12	11/7/2019	11/7/2020	EACH OCCURRENCE \$ 10,000,000 AGGREGATE \$ 10,000,000
B	☒ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☒ Y/N N/A If yes, describe under DESCRIPTION OF OPERATIONS below			WCA5365360-11	11/7/2019	11/7/2020	☒ PER STATUTE ☐ OTHER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
A	Scheduled Equipment			CPA5365357-12	11/7/2019	11/7/2020	\$500 Ded. 416,942

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

If Additional Insured or Waiver of Subrogation status is noted for any policies, coverage applies only if required in a written contract or agreement.

*****PROOF OF INSURANCE*****

CERTIFICATE HOLDER

CANCELLATION

LaBella Associates, PC & LaBella Associates, DPC 300 State Street, Suite 201 Rochester, NY 14614	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
	AUTHORIZED REPRESENTATIVE <i>Laurie Stenney</i>

STATE OF NEW YORK
WORKERS' COMPENSATION BOARD

CERTIFICATE OF NYS WORKERS' COMPENSATION INSURANCE COVERAGE

1a. Legal Name and address of Insured (Use street address only) LaBella Associates, P.C. & LaBella Associates, DPC 300 State Street, Suite 201 Rochester, NY 14614 <i>Work Location of Insured (Only required if coverage is specifically limited to certain locations in New York State, i.e. a Wrap-Up Policy)</i>	1b. Business Telephone Number of Insured (585) 454-6110 1c. NYS Unemployment Insurance Employer Registration Number of Insured 1d. Federal Employer Identification Number of Insured or Social Security Number 16-1115731
2. Name and Address of the Entity Requesting Proof of Coverage (Entity Being Listed as the Certificate Holder) Monroe County Department of Environmental Services Industrial Waste Control 145 Paul Rd, Bldg. 1 Rochester, NY 14624	3a. Name of Insurance Carrier Union Insurance Company 3b. Policy Number of entity listed in box "1a": WCA5365360-11 3c. Policy effective period: 11/7/19 TO 11/7/20 3d. The Proprietor, Partners or Executive Officers are: ☒ included. (Only check box if all partners/officers included) ☐ all excluded or certain partners/officers excluded.

This certifies that the insurance carrier indicated above in box "3" insures the business referenced above in box "1a" for workers' compensation under the New York State Workers' Compensation Law. (To use this form, New York (NY) must be listed under **Item 3A** on the INFORMATION PAGE of the workers' compensation insurance policy). The Insurance Carrier or its licensed agent will send this Certificate of Insurance to the entity listed above as the certificate holder in box "2".

The Insurance Carrier will also notify the above certificate holder within 10 days IF a policy is canceled due to nonpayment of premiums or within 30 days IF there are reasons other than nonpayment of premiums that cancel the policy or eliminate the insured from the coverage indicated on this Certificate. (These notices may be sent by regular mail.) Otherwise, this Certificate is valid for one year after this form is approved by the insurance carrier or its licensed agent, or until the policy expiration date listed in box "3c", whichever is earlier.

Please Note: Upon the cancellation of the workers' compensation policy indicated on this form, if the business continues to be named on a permit, license or contract issued by a certificate holder, the business must provide that certificate holder with a new Certificate of Workers' Compensation Coverage or other authorized proof that the business is complying with the mandatory coverage requirements of the New York State Workers' Compensation Law.

Under penalty of perjury, I certify that I am an authorized representative or licensed agent of the insurance carrier referenced above and that the named insured has the coverage as depicted on this form.

Approved by: Lawrence Stanney
(Print name of authorized representative or licensed agent of insurance carrier)

Approved by: Lawrence Stanney 11/6/19
(Signature) (Date)

Title: President

Telephone Number of authorized representative or licensed agent of insurance carrier:

Please Note: Only insurance carriers and their licensed agents are authorized to issue the C-105.2 form. Insurance brokers are **NOT** authorized to issue it.

Workers' Compensation Law

Section 57: Restriction on issue of permits and the entering into contracts unless compensation is secured.

1. The head of a state or municipal department, board, commission or office authorized or required by law to issue any permit for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, and notwithstanding any general or special statute requiring or authorizing the issue of such permits, shall not issue such permit unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter. Nothing herein, however, shall be construed as creating any liability on the part of such state or municipal department, board, commission or office to pay any compensation to any such employee if so employed.

2. The head of a state or municipal department, board, commission or office authorized or required by law to enter into any contract for or in connection with any work involving the employment of employees in a hazardous employment defined by this chapter, notwithstanding any general or special statute requiring or authorizing any such contract, shall not enter into any such contract unless proof duly subscribed by an insurance carrier is produced in a form satisfactory to the chair, that compensation for all employees has been secured as provided by this chapter.



October 28, 2020

Monroe County Department of Environmental Services
Office of Industrial Waste
145 Paul Road, Bldg. 1
Rochester, New York 14624
Ph: (585)-753-5441

Attn: Donald Wolf
Industrial Waste Engineer

Re: Specialty Short Term Discharge Permit
1350 Jefferson Road,
Henrietta, New York 14623

Dear Mr. Wolf,

LaBella Associates, D.P.C. (LaBella) is submitting this permit application on behalf of L3Harris Technologies, for the Site located at the address of 1350 Jefferson Road in the Town of Henrietta, New York. The Site has been assigned New York State Department of Environmental Conservation (NYSDEC) Site #C828069 by the NYSDEC. During excavation work on the building foundation, groundwater was pumped and stored in a storage tank. The discharge location will be confirmed with the Town of Henrietta. This letter and its attachments represent an application for a Specialty Short Term Discharge Permit to dispose of this treated water in the Monroe County sanitary sewer.

PROJECT INFORMATION

The following table provides information requested in the Permit application:

a) Contractor or environmental representative name	LaBella Associates, D.P.C. 300 State Street, Suite 201 Rochester, NY 14614
b) Contact person name, phone #	Michael Pelychaty, PG Office: 585-295-6253 Cell: 585-507-7198 mpelychaty@labellapc.com
c) Site name, address	L3Harris Technologies, 1350 Jefferson Road, Henrietta, New York 14623
d) Description of site work and history of site. Site history should include current and past businesses and activities or products produced.	Xerox Corporation refurbished photocopier machines at the Site between 1972 and 1978. The machine parts were cleaned in the northeast corner of the building using chlorinated solvent blends and/or detergent washes. In 1986, Xerox Corporation initiated investigative activities to evaluate environmental conditions as they related to former copier refurbishing operations. Solvent contamination was identified in a surface water drainage feature to the north of the facility as well as

300 State Street, Suite 201 | Rochester, NY 14614 | p 585-454-6110 | f 585-454-3066

www.labellapc.com

SAMPLING AND ANALYTICAL RESULTS

One water sample (refer to attached lab report L2043125) was collected from a batch water tank and tested for VOCs using Method 624. The results of the analysis indicate a total of 4.29 ug/l of VOCs was detected in the sample.

WATER DISCHARGE

The Town of Henrietta will be contacted to determine the discharge location. The water will be discharged at an average rate of approximately 5 to 10 gallons per minute (GPM).

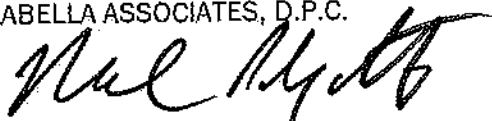
CONTINUED SAMPLING

The primary contaminant of concern at the Site is VOCs. Any further discharge requests under this permit will be submitted via email with an additional representative sample was collected from the tank.

If you have any questions, please do not hesitate to contact me at (585) 295-6253.

Respectfully submitted,

LABELLA ASSOCIATES, D.P.C.



Michael F. Pelychaty, PG
Project Manager

	in the soil, sediment, and groundwater beneath portions of the site. Xerox subsequently entered into an Order on Consent with the NYSDEC in February 1990 to conduct a Remedial Investigation/Feasibility Study and Interim Remedial Measure. The site is listed as a New York State (NYS) Inactive Hazardous Waste Disposal Site Program Site #828069. The site compounds of concern (COCs) include methylene chloride, 1,1-dichloroethene (1,1- DCE), 1,1-dichloroethane (1,1-DCA), cis-1,2-dichloroethene (cis-1,2-DCE), 1,2-dichloroethane (1,2-DCA), 1,1,1-trichloroethane (1,1,1-TCA), trichloroethene (TCE), tetrachloroethene (PCE), vinyl chloride (VC), and mineral spirits. L3 Harris Technologies currently owns the property and operates the building.
e) Former/current contents of underground storage tanks and/or material spilled and/or history of site contaminants.	Not Applicable
f) Quantity of wastewater to be discharged	Approximately 5,000 gallons.
g) Method of treatment (if applicable)	Direct to sewer
h) Method to control solids discharge (if applicable)	Not Applicable
i) Expected date of discharge	Between October 2020 to December 2020
j) Project duration	1 to 5 days

WORKER'S COMPENSATION

As required, a copy of LaBella's Certificate of Insurance is attached.

FEE

A check in the amount of \$125 will be provided to:

Monroe County Department of Environmental Services
Industrial Waste Control
145 Paul Road, Bldg. 1
Rochester, New York 14624



ANALYTICAL REPORT

Lab Number:	L2043125
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	L3 HARRIS-WATER
Project Number:	200916
Report Date:	10/09/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2043125-01	HARRIS-WATER-10082020	WATER	1350 JEFFERSON HENRIETTA, NY	10/08/20 11:00	10/08/20



Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Volatile Organics by Method 624

L2043125-01: The pH of the sample was less than two. It should be noted that 2-chloroethylvinyl ether breaks down under acidic conditions. The sample was not appropriately preserved for the analysis of Acrolein.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:  Michelle M. Morris

Title: Technical Director/Representative

Date: 10/09/20

ORGANICS

VOLATILES

Project Name: L3 HARRIS-WATER

Project Number: 200916

Lab Number: L2043125

Report Date: 10/09/20

SAMPLE RESULTS

Lab ID: L2043125-01
Client ID: HARRIS-WATER-10082020
Sample Location: 1350 JEFFERSON HENRIETTA, NY

Date Collected: 10/08/20 11:00
Date Received: 10/08/20
Field Prep: Not Specified

Sample Depth:

Matrix: Water
Analytical Method: 128,624.1
Analytical Date: 10/09/20 09:46
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor

Volatile Organics by GC/MS - Westborough Lab

Methylene chloride	ND		ug/l	1.0	0.56	1
1,1-Dichloroethane	ND		ug/l	1.5	0.40	1
Chloroform	ND		ug/l	1.0	0.38	1
Carbon tetrachloride	ND		ug/l	1.0	0.24	1
1,2-Dichloropropane	ND		ug/l	3.5	0.46	1
Dibromochloromethane	ND		ug/l	1.0	0.27	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34	1
2-Chloroethylvinyl ether	ND		ug/l	10	0.35	1
Tetrachloroethene	ND		ug/l	1.0	0.26	1
Chlorobenzene	ND		ug/l	3.5	0.30	1
Trichlorofluoromethane	ND		ug/l	5.0	0.28	1
1,2-Dichloroethane	ND		ug/l	1.5	0.47	1
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29	1
Bromodichloromethane	ND		ug/l	1.0	0.28	1
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31	1
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34	1
Bromoform	ND		ug/l	1.0	0.22	1
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20	1
Benzene	ND		ug/l	1.0	0.38	1
Toluene	ND		ug/l	1.0	0.31	1
Ethylbenzene	ND		ug/l	1.0	0.28	1
Chloromethane	ND		ug/l	5.0	1.0	1
Bromomethane	ND		ug/l	5.0	1.2	1
Vinyl chloride	ND		ug/l	1.0	0.38	1
Chloroethane	ND		ug/l	2.0	0.37	1
1,1-Dichloroethene	ND		ug/l	1.0	0.31	1
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33	1
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17	1



Project Name: L3 HARRIS-WATER

Project Number: 200916

Lab Number: L2043125

Report Date: 10/09/20

SAMPLE RESULTS

Lab ID: L2043125-01

Client ID: HARRIS-WATER-10082020

Sample Location: 1350 JEFFERSON HENRIETTA, NY

Date Collected: 10/08/20 11:00

Date Received: 10/08/20

Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Trichloroethene	ND		ug/l	1.0	0.33	1
1,2-Dichlorobenzene	0.50	J	ug/l	5.0	0.28	1
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27	1
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29	1
p/m-Xylene	ND		ug/l	2.0	0.30	1
o-xylene	0.39	J	ug/l	1.0	0.34	1
Xylenes, Total	0.39	J	ug/l	1.0	0.30	1
Styrene	ND		ug/l	1.0	0.37	1
Acetone	3.4	J	ug/l	10	2.4	1
Carbon disulfide	ND		ug/l	5.0	0.28	1
2-Butanone	ND		ug/l	10	1.0	1
Vinyl acetate	ND		ug/l	10	0.41	1
4-Methyl-2-pentanone	ND		ug/l	10	0.19	1
2-Hexanone	ND		ug/l	10	0.55	1
Acrolein	ND		ug/l	8.0	1.8	1
Acrylonitrile	ND		ug/l	10	0.33	1
Dibromomethane	ND		ug/l	1.0	0.23	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	95		60-140
Fluorobenzene	117		60-140
4-Bromofluorobenzene	97		60-140



Project Name: L3 HARRIS-WATER

Lab Number: L2043125

Project Number: 200916

Report Date: 10/09/20

**Method Blank Analysis
Batch Quality Control**

Analytical Method: 128,624.1
Analytical Date: 10/09/20 03:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1420346-4					
Methylene chloride	ND		ug/l	1.0	0.56
1,1-Dichloroethane	ND		ug/l	1.5	0.40
Chloroform	ND		ug/l	1.0	0.38
Carbon tetrachloride	ND		ug/l	1.0	0.24
1,2-Dichloropropane	ND		ug/l	3.5	0.46
Dibromochloromethane	ND		ug/l	1.0	0.27
1,1,2-Trichloroethane	ND		ug/l	1.5	0.34
2-Chloroethylvinyl ether	ND		ug/l	10	0.35
Tetrachloroethene	ND		ug/l	1.0	0.26
Chlorobenzene	ND		ug/l	3.5	0.30
Trichlorofluoromethane	ND		ug/l	5.0	0.28
1,2-Dichloroethane	ND		ug/l	1.5	0.47
1,1,1-Trichloroethane	ND		ug/l	2.0	0.29
Bromodichloromethane	ND		ug/l	1.0	0.28
trans-1,3-Dichloropropene	ND		ug/l	1.5	0.31
cis-1,3-Dichloropropene	ND		ug/l	1.5	0.34
Bromoform	ND		ug/l	1.0	0.22
1,1,2,2-Tetrachloroethane	ND		ug/l	1.0	0.20
Benzene	ND		ug/l	1.0	0.38
Toluene	ND		ug/l	1.0	0.31
Ethylbenzene	ND		ug/l	1.0	0.28
Chloromethane	ND		ug/l	5.0	1.0
Bromomethane	1.2	J	ug/l	5.0	1.2
Vinyl chloride	ND		ug/l	1.0	0.38
Chloroethane	ND		ug/l	2.0	0.37
1,1-Dichloroethene	ND		ug/l	1.0	0.31
trans-1,2-Dichloroethene	ND		ug/l	1.5	0.33
cis-1,2-Dichloroethene	ND		ug/l	1.0	0.17
Trichloroethene	ND		ug/l	1.0	0.33



Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 128,624.1
Analytical Date: 10/09/20 03:37
Analyst: NLK

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1420346-4					
1,2-Dichlorobenzene	ND		ug/l	5.0	0.28
1,3-Dichlorobenzene	ND		ug/l	5.0	0.27
1,4-Dichlorobenzene	ND		ug/l	5.0	0.29
p/m-Xylene	ND		ug/l	2.0	0.30
o-xylene	ND		ug/l	1.0	0.34
Xylenes, Total	ND		ug/l	1.0	0.30
Styrene	ND		ug/l	1.0	0.37
Acetone	ND		ug/l	10	2.4
Carbon disulfide	ND		ug/l	5.0	0.28
2-Butanone	ND		ug/l	10	1.0
Vinyl acetate	ND		ug/l	10	0.41
4-Methyl-2-pentanone	ND		ug/l	10	0.19
2-Hexanone	ND		ug/l	10	0.55
Acrolein	ND		ug/l	8.0	1.8
Acrylonitrile	ND		ug/l	10	0.33
Dibromomethane	ND		ug/l	1.0	0.23

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Pentafluorobenzene	94		60-140
Fluorobenzene	108		60-140
4-Bromofluorobenzene	101		60-140



Lab Control Sample Analysis Batch Quality Control

Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits		Qual	Limits	
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1420346-3									
Methylene chloride	100	-	-	-	60-140	-	-	28	-
1,1-Dichloroethane	100	-	-	-	50-150	-	-	49	-
Chloroform	105	-	-	-	70-135	-	-	54	-
Carbon tetrachloride	120	-	-	-	70-130	-	-	41	-
1,2-Dichloropropane	125	-	-	-	35-165	-	-	55	-
Dibromochloromethane	100	-	-	-	70-135	-	-	50	-
1,1,2-Trichloroethane	100	-	-	-	70-130	-	-	45	-
2-Chloroethylvinyl ether	50	-	-	-	1-225	-	-	71	-
Tetrachloroethene	100	-	-	-	70-130	-	-	39	-
Chlorobenzene	105	-	-	-	65-135	-	-	53	-
Trichlorofluoromethane	90	-	-	-	50-150	-	-	84	-
1,2-Dichloroethane	125	-	-	-	70-130	-	-	49	-
1,1,1-Trichloroethane	125	-	-	-	70-130	-	-	36	-
Bromodichloromethane	110	-	-	-	65-135	-	-	56	-
trans-1,3-Dichloropropene	100	-	-	-	50-150	-	-	86	-
cis-1,3-Dichloropropene	110	-	-	-	25-175	-	-	58	-
Bromoform	90	-	-	-	70-130	-	-	42	-
1,1,2,2-Tetrachloroethane	105	-	-	-	60-140	-	-	61	-
Benzene	130	-	-	-	65-135	-	-	61	-
Toluene	110	-	-	-	70-130	-	-	41	-
Ethylbenzene	115	-	-	-	60-140	-	-	63	-
Chloromethane	85	-	-	-	1-205	-	-	60	-
Bromomethane	75	-	-	-	15-185	-	-	61	-

Lab Control Sample Analysis

Batch Quality Control

Project Name: L3 HARRIS WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Parameter	LCS		LCSD		%Recovery		RPD	RPD	
	%Recovery	Qual	%Recovery	Qual	Limits		Qual	Limits	
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1420346-3									
Vinyl chloride	75	-	-	-	5-195	-	-	66	-
Chloroethane	90	-	-	-	40-160	-	-	78	-
1,1-Dichloroethene	95	-	-	-	50-150	-	-	32	-
trans-1,2-Dichloroethene	100	-	-	-	70-130	-	-	45	-
cis-1,2-Dichloroethene	100	-	-	-	60-140	-	-	30	-
Trichloroethene	110	-	-	-	65-135	-	-	48	-
1,2-Dichlorobenzene	100	-	-	-	65-135	-	-	57	-
1,3-Dichlorobenzene	100	-	-	-	70-130	-	-	43	-
1,4-Dichlorobenzene	105	-	-	-	65-135	-	-	57	-
p/m-Xylene	108	-	-	-	60-140	-	-	30	-
o-xylene	105	-	-	-	60-140	-	-	30	-
Styrene	105	-	-	-	60-140	-	-	30	-
Acetone	79	-	-	-	40-160	-	-	30	-
Carbon disulfide	90	-	-	-	60-140	-	-	30	-
2-Butanone	90	-	-	-	60-140	-	-	30	-
Vinyl acetate	95	-	-	-	60-140	-	-	30	-
4-Methyl-2-pentanone	96	-	-	-	60-140	-	-	30	-
2-Hexanone	100	-	-	-	60-140	-	-	30	-
Acrolein	128	-	-	-	60-140	-	-	30	-
Acrylonitrile	90	-	-	-	60-140	-	-	60	-
Dibromomethane	105	-	-	-	70-130	-	-	30	-

Lab Control Sample Analysis Batch Quality Control

Project Name: L3 HARRIS WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

Parameter	LCS		LCSD		%Recovery Limits	RPD		RPD Limits
	%Recovery	Qual	%Recovery	Qual		RPD	Qual	

Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1420346-3

Surrogate	LCS		LCSD		%Recovery	Acceptance Criteria	
	%Recovery	Qual	%Recovery	Qual			
Pentafluorobenzene	95					60-140	
Fluorobenzene	111					60-140	
4-Bromofluorobenzene	100					60-140	

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

CoolerA

Custody SealAbsent

Container Information		Initial	Final	Temp	Pres	Seal	Frozen	Analysis(*)
Container ID	Container Type	Cooler	pH	pH	deg C	Pres	Seal	Date/Time
L2043125-01A	Vial HCl preserved	A	NA	3.4	Y	Absent		624.1(14)
L2043125-01B	Vial HCl preserved	A	NA	3.4	Y	Absent		624.1(14)
L2043125-01C	Vial HCl preserved	A	NA	3.4	Y	Absent		624.1(14)

Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
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Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No: 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: L3 HARRIS-WATER
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Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: L3 HARRIS-WATER
Project Number: 200916

Lab Number: L2043125
Report Date: 10/09/20

REFERENCES

128 Method 624.1: Purgeables by GC/MS, EPA 821-R-16-008, December 2016.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility

EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene

EPA 8260C: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.

EPA 8270D: NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.

SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.

Mansfield Facility

SM 2540D: TSS

EPA 8082A: NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.

EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.

EPA TO-12 Non-methane organics

EPA 3C Fixed gases

Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water

EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**

EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.

Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.**

Non-Potable Water

SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.

EPA 624.1: Volatile Halocarbons & Aromatics,

EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs

EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.

Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.**

Mansfield Facility:

Drinking Water

EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg. **EPA 522.**

Non-Potable Water

EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.

EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.

EPA 245.1 Hg.

SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.



L3HARRIS™

Jason D. Scott
Environmental, Health and Safety (EHS) Manager
Tactical Communications, Harris Global Communications, Inc.
Communication Systems
1680 University Avenue
Rochester, NY 14610
585-242-4612

September 21, 2020

Via US Mail and Email to: todd.caffoe@dec.ny.gov

Mr. Todd Caffoe, P.E.
NYSDEC – Region 8
Department of Environmental Remediation
6274 East Avon Lima Road
Avon, New York 14414

Re: **Excavation Work Plan dated May 15, 2020 (as modified) – Water Discharge**
Former Xerox Building 801
NYSDEC Site #C828069
1350 Jefferson Road, Henrietta, New York
LaBella Project No. 2200916

Dear Mr. Caffoe,

On September 16, 2020, during the excavation for the main test pad foundation (the main test pad will abut the north side of the building located at 1350 Jefferson Road and is located outside of the Soil and Groundwater Management Area (SGMA)), a reported approximately 55 gallons of water leaked into the excavation trench for the main test pad foundation from a hole in a cinder block wall of the building foundation at a point approximately 1.5'-2' feet below the ground surface (BGS) (the main test pad foundation excavation is approximately 4' BGS and the water table (groundwater) is around 5ft BGS). The contractor performing the work, LeChase Construction, then created a berm (estimated 0.8ft depth x 3ft wide x 3ft long) with stone to retain the water flowing from under the building into the excavation and then used a 1/6 hp sump pump to remove the water from the excavation. The water was pumped from the excavation to the parking lot surface which flowed northwest and away from the SGMA to a point approximately 150ft from the western edge of the SGMA.

Once learning of this discharge, a water sample was collected and submitted for testing of Target Compound List VOCs. In addition, LeChase Construction was immediately informed and instructed that all water (not just groundwater) that comes in contact with subsurface excavations, should be placed into an appropriate container for characterization if requiring removal. Although the Excavation Work Plan (Plan) was provided to LeChase on 6/30/2020, the contents of the Plan were reviewed again with LeChase by LaBella and L3Harris on 9/17/2020 at 8am to reiterate the Plan requirements.

The results of the water sample testing indicate all VOCs are below detection limits except Acetone reportedly at a concentration of 5.7 ug/L (well below the standard of 50 ppb). Acetone is a common lab contaminant and the presence of only this compound suggests that the water discharged to be basically clean water. Copy of analytical results attached.

Mr. Todd Caffoe, P.E.
NYSDEC – Region 8
Department of Environmental Remediation
September 21, 2020
Page 2 of 3

Moving forward, the following corrective actions have been established to ensure compliance with the Plan for the remainder of the site improvements.

- LeChase/Labella/L3Harris to meet weekly to review upcoming work
- All LeChase employees and sub-contractors working at 1350 Jefferson Road will review the requirements of the Plan prior to start of work on-site and acknowledge their understanding by signing a roster which will be provided by LeChase to L3Harris EHS at the conclusion of each week
- L3Harris EHS will have a representative present observing excavation work
- Labella will also continue to be on-site per the Plan to monitor during excavation activities

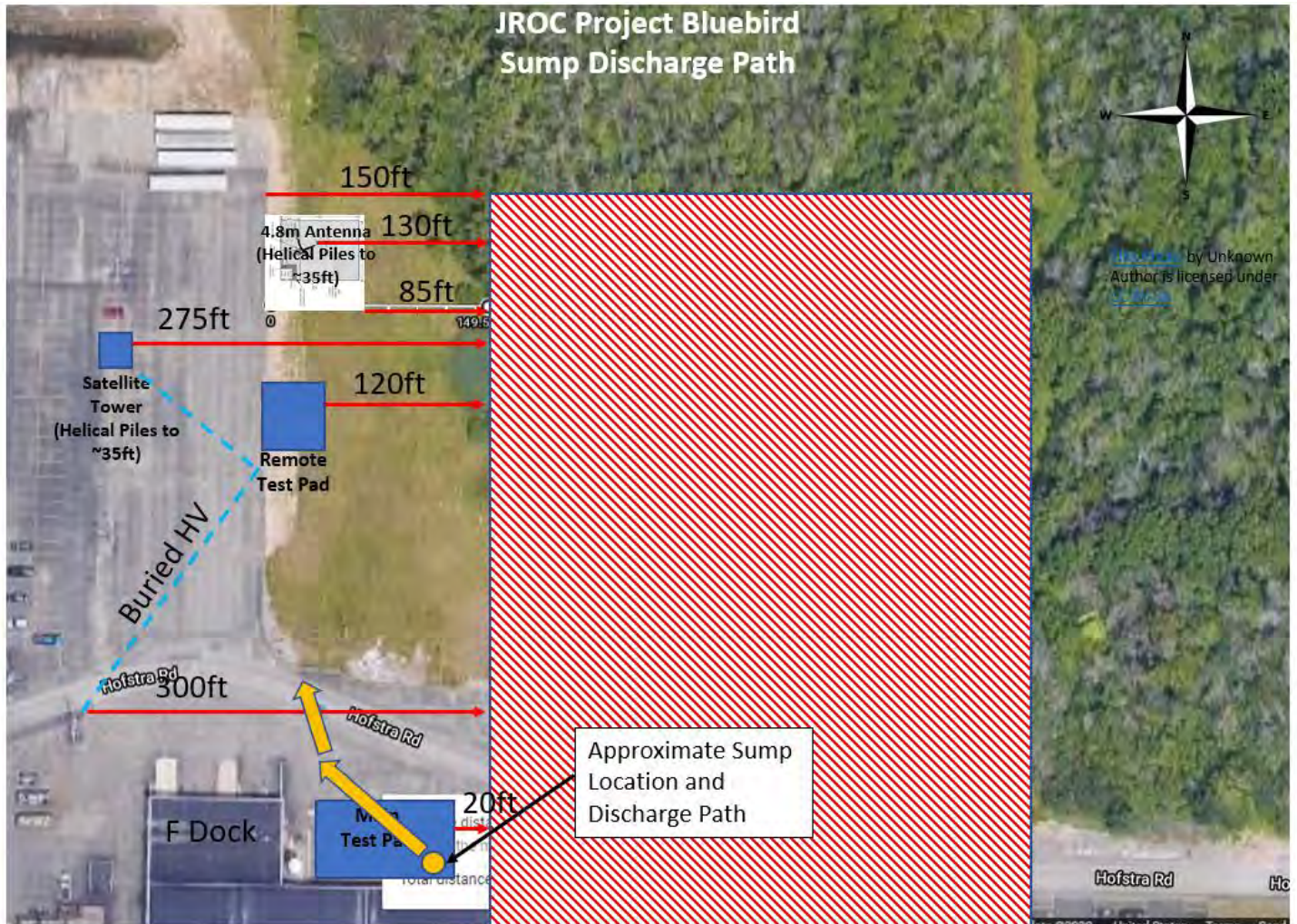
Please contact me directly if you have any questions or concerns as we move forward to complete the project.

Regards,



Jason D Scott
Environmental, Health and Safety Manager
Harris Global Communications, Inc.

CC: Julia Ispentchian (Xerox – remedial party)
Janice Szucs (Haley & Aldrich)
Mike Pelychaty (LaBella Associates – 585-295-6253 direct / 585-454-6110 office)
Brandon Emerson (L3Harris EHS Director)





ANALYTICAL REPORT

Lab Number:	L2039127
Client:	LaBella Associates, P.C. 300 State Street Suite 201 Rochester, NY 14614
ATTN:	Mike Pelychaty
Phone:	(585) 295-6253
Project Name:	F
Project Number:	2200916
Report Date:	09/18/20

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0574), IL (200077), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #P330-17-00196).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com



Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2039127-01	CINDER BLOCK WATER- 09172020	WATER	1350 JEFFERSON RD	09/17/20 08:15	09/17/20

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature:

Melissa Sturgis Melissa Sturgis

Title: Technical Director/Representative

Date: 09/18/20

ORGANICS

VOLATILES

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2039127-01
Client ID: CINDER BLOCK WATER-09172020
Sample Location: 1350 JEFFERSON RD

Date Collected: 09/17/20 08:15
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:
Matrix: Water
Analytical Method: 1,8260C
Analytical Date: 09/18/20 09:03
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
Methylene chloride	ND		ug/l	2.5	0.70	1
1,1-Dichloroethane	ND		ug/l	2.5	0.70	1
Chloroform	ND		ug/l	2.5	0.70	1
Carbon tetrachloride	ND		ug/l	0.50	0.13	1
1,2-Dichloropropane	ND		ug/l	1.0	0.14	1
Dibromochloromethane	ND		ug/l	0.50	0.15	1
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50	1
Tetrachloroethene	ND		ug/l	0.50	0.18	1
Chlorobenzene	ND		ug/l	2.5	0.70	1
Trichlorofluoromethane	ND		ug/l	2.5	0.70	1
1,2-Dichloroethane	ND		ug/l	0.50	0.13	1
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70	1
Bromodichloromethane	ND		ug/l	0.50	0.19	1
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16	1
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14	1
Bromoform	ND		ug/l	2.0	0.65	1
1,1,2,2-Tetrachloroethane	ND		ug/l	0.50	0.17	1
Benzene	ND		ug/l	0.50	0.16	1
Toluene	ND		ug/l	2.5	0.70	1
Ethylbenzene	ND		ug/l	2.5	0.70	1
Chloromethane	ND		ug/l	2.5	0.70	1
Bromomethane	ND		ug/l	2.5	0.70	1
Vinyl chloride	ND		ug/l	1.0	0.07	1
Chloroethane	ND		ug/l	2.5	0.70	1
1,1-Dichloroethene	ND		ug/l	0.50	0.17	1
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Trichloroethene	ND		ug/l	0.50	0.18	1
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70	1

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

SAMPLE RESULTS

Lab ID: L2039127-01
Client ID: CINDER BLOCK WATER-09172020
Sample Location: 1350 JEFFERSON RD

Date Collected: 09/17/20 08:15
Date Received: 09/17/20
Field Prep: Not Specified

Sample Depth:

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Volatile Organics by GC/MS - Westborough Lab						
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70	1
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl tert butyl ether	ND		ug/l	2.5	0.70	1
p/m-Xylene	ND		ug/l	2.5	0.70	1
o-Xylene	ND		ug/l	2.5	0.70	1
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70	1
Styrene	ND		ug/l	2.5	0.70	1
Dichlorodifluoromethane	ND		ug/l	5.0	1.0	1
Acetone	5.7		ug/l	5.0	1.5	1
Carbon disulfide	ND		ug/l	5.0	1.0	1
2-Butanone	ND		ug/l	5.0	1.9	1
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0	1
2-Hexanone	ND		ug/l	5.0	1.0	1
Bromochloromethane	ND		ug/l	2.5	0.70	1
1,2-Dibromoethane	ND		ug/l	2.0	0.65	1
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70	1
Isopropylbenzene	ND		ug/l	2.5	0.70	1
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70	1
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70	1
Methyl Acetate	ND		ug/l	2.0	0.23	1
Cyclohexane	ND		ug/l	10	0.27	1
1,4-Dioxane	ND		ug/l	250	61.	1
Freon-113	ND		ug/l	2.5	0.70	1
Methyl cyclohexane	ND		ug/l	10	0.40	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	107		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	106		70-130

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/18/20 08:38
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1411648-5					
Methylene chloride	ND		ug/l	2.5	0.70
1,1-Dichloroethane	ND		ug/l	2.5	0.70
Chloroform	ND		ug/l	2.5	0.70
Carbon tetrachloride	ND		ug/l	0.50	0.13
1,2-Dichloropropane	ND		ug/l	1.0	0.14
Dibromochloromethane	ND		ug/l	0.50	0.15
1,1,2-Trichloroethane	ND		ug/l	1.5	0.50
Tetrachloroethene	ND		ug/l	0.50	0.18
Chlorobenzene	ND		ug/l	2.5	0.70
Trichlorofluoromethane	ND		ug/l	2.5	0.70
1,2-Dichloroethane	ND		ug/l	0.50	0.13
1,1,1-Trichloroethane	ND		ug/l	2.5	0.70
Bromodichloromethane	ND		ug/l	0.50	0.19
trans-1,3-Dichloropropene	ND		ug/l	0.50	0.16
cis-1,3-Dichloropropene	ND		ug/l	0.50	0.14
Bromoform	ND		ug/l	2.0	0.65
1,1,1,2-Tetrachloroethane	ND		ug/l	0.50	0.17
Benzene	ND		ug/l	0.50	0.16
Toluene	ND		ug/l	2.5	0.70
Ethylbenzene	ND		ug/l	2.5	0.70
Chloromethane	ND		ug/l	2.5	0.70
Bromomethane	ND		ug/l	2.5	0.70
Vinyl chloride	ND		ug/l	1.0	0.07
Chloroethane	ND		ug/l	2.5	0.70
1,1-Dichloroethene	ND		ug/l	0.50	0.17
trans-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Trichloroethene	ND		ug/l	0.50	0.18
1,2-Dichlorobenzene	ND		ug/l	2.5	0.70
1,3-Dichlorobenzene	ND		ug/l	2.5	0.70

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
Analytical Date: 09/18/20 08:38
Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1411648-5					
1,4-Dichlorobenzene	ND		ug/l	2.5	0.70
Methyl tert butyl ether	ND		ug/l	2.5	0.70
p/m-Xylene	ND		ug/l	2.5	0.70
o-Xylene	ND		ug/l	2.5	0.70
cis-1,2-Dichloroethene	ND		ug/l	2.5	0.70
Styrene	ND		ug/l	2.5	0.70
Dichlorodifluoromethane	ND		ug/l	5.0	1.0
Acetone	ND		ug/l	5.0	1.5
Carbon disulfide	ND		ug/l	5.0	1.0
2-Butanone	ND		ug/l	5.0	1.9
4-Methyl-2-pentanone	ND		ug/l	5.0	1.0
2-Hexanone	ND		ug/l	5.0	1.0
Bromochloromethane	ND		ug/l	2.5	0.70
1,2-Dibromoethane	ND		ug/l	2.0	0.65
1,2-Dibromo-3-chloropropane	ND		ug/l	2.5	0.70
Isopropylbenzene	ND		ug/l	2.5	0.70
1,2,3-Trichlorobenzene	ND		ug/l	2.5	0.70
1,2,4-Trichlorobenzene	ND		ug/l	2.5	0.70
Methyl Acetate	ND		ug/l	2.0	0.23
Cyclohexane	ND		ug/l	10	0.27
1,4-Dioxane	ND		ug/l	250	61.
Freon-113	ND		ug/l	2.5	0.70
Methyl cyclohexane	ND		ug/l	10	0.40

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8260C
 Analytical Date: 09/18/20 08:38
 Analyst: PD

Parameter	Result	Qualifier	Units	RL	MDL
Volatile Organics by GC/MS - Westborough Lab for sample(s): 01 Batch: WG1411648-5					

Surrogate	%Recovery	Qualifier	Acceptance Criteria
1,2-Dichloroethane-d4	110		70-130
Toluene-d8	98		70-130
4-Bromofluorobenzene	107		70-130
Dibromofluoromethane	105		70-130

Lab Control Sample Analysis Batch Quality Control

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1411648-3 WG1411648-4								
Methylene chloride	100		110		70-130	10		20
1,1-Dichloroethane	110		110		70-130	0		20
Chloroform	110		110		70-130	0		20
Carbon tetrachloride	110		110		63-132	0		20
1,2-Dichloropropane	110		110		70-130	0		20
Dibromochloromethane	110		110		63-130	0		20
1,1,2-Trichloroethane	100		100		70-130	0		20
Tetrachloroethene	100		100		70-130	0		20
Chlorobenzene	100		100		75-130	0		20
Trichlorofluoromethane	120		120		62-150	0		20
1,2-Dichloroethane	120		110		70-130	9		20
1,1,1-Trichloroethane	120		120		67-130	0		20
Bromodichloromethane	110		110		67-130	0		20
trans-1,3-Dichloropropene	110		100		70-130	10		20
cis-1,3-Dichloropropene	110		110		70-130	0		20
Bromoform	99		100		54-136	1		20
1,1,2,2-Tetrachloroethane	98		100		67-130	2		20
Benzene	110		110		70-130	0		20
Toluene	100		100		70-130	0		20
Ethylbenzene	100		100		70-130	0		20
Chloromethane	110		110		64-130	0		20
Bromomethane	140	Q	140	Q	39-139	0		20
Vinyl chloride	100		110		55-140	10		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1411648-3 WG1411648-4								
Chloroethane	97		100		55-138	3		20
1,1-Dichloroethene	110		110		61-145	0		20
trans-1,2-Dichloroethene	110		110		70-130	0		20
Trichloroethene	110		110		70-130	0		20
1,2-Dichlorobenzene	97		100		70-130	3		20
1,3-Dichlorobenzene	96		110		70-130	14		20
1,4-Dichlorobenzene	100		100		70-130	0		20
Methyl tert butyl ether	110		100		63-130	10		20
p/m-Xylene	100		100		70-130	0		20
o-Xylene	100		100		70-130	0		20
cis-1,2-Dichloroethene	100		100		70-130	0		20
Styrene	100		100		70-130	0		20
Dichlorodifluoromethane	100		100		36-147	0		20
Acetone	100		92		58-148	8		20
Carbon disulfide	110		110		51-130	0		20
2-Butanone	110		110		63-138	0		20
4-Methyl-2-pentanone	100		99		59-130	1		20
2-Hexanone	100		100		57-130	0		20
Bromochloromethane	120		110		70-130	9		20
1,2-Dibromoethane	100		100		70-130	0		20
1,2-Dibromo-3-chloropropane	92		94		41-144	2		20
Isopropylbenzene	110		110		70-130	0		20
1,2,3-Trichlorobenzene	90		93		70-130	3		20

Lab Control Sample Analysis

Batch Quality Control

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Volatile Organics by GC/MS - Westborough Lab Associated sample(s): 01 Batch: WG1411648-3 WG1411648-4								
1,2,4-Trichlorobenzene	94		97		70-130	3		20
Methyl Acetate	120		120		70-130	0		20
Cyclohexane	110		110		70-130	0		20
1,4-Dioxane	76		64		56-162	17		20
Freon-113	110		110		70-130	0		20
Methyl cyclohexane	110		100		70-130	10		20

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
1,2-Dichloroethane-d4	108		106		70-130
Toluene-d8	98		98		70-130
4-Bromofluorobenzene	102		102		70-130
Dibromofluoromethane	104		103		70-130

Project Name: F
Project Number: 2200916

Serial_No:09182011:26
Lab Number: L2039127
Report Date: 09/18/20

Sample Receipt and Container Information

Were project specific reporting limits specified?

YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2039127-01A	Vial HCl preserved	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)
L2039127-01B	Vial HCl preserved	A	NA		5.8	Y	Absent		NYTCL-8260-R2(14)

Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCS D	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Footnotes

Report Format: DU Report with 'J' Qualifiers



Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. If a 'Total' result is requested, the results of its individual components will also be reported.

The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs).
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- ND** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

Report Format: DU Report with 'J' Qualifiers



Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

Data Qualifiers

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.

Report Format: DU Report with 'J' Qualifiers



Project Name: F
Project Number: 2200916

Lab Number: L2039127
Report Date: 09/18/20

REFERENCES

- 1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.



Alpha Analytical, Inc.Facility: **Company-wide**Department: **Quality Assurance**Title: **Certificate/Approval Program Summary**ID No.: **17873**

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Published Date: 4/28/2020 9:42:21 AM

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Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility**EPA 624/624.1:** m/p-xylene, o-xylene, Naphthalene**EPA 8260C:** NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.**EPA 8270D:** NPW: Dimethylnaphthalene, 1,4-Diphenylhydrazine; SCM: Dimethylnaphthalene, 1,4-Diphenylhydrazine.**SM4500:** NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO₂, NO₃.**Mansfield Facility****SM 2540D:** TSS**EPA 8082A:** NPW: PCB: 1, 5, 31, 87, 101, 110, 141, 151, 153, 180, 183, 187.**EPA TO-15:** Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.**EPA TO-12** Non-methane organics**EPA 3C** Fixed gases**Biological Tissue Matrix:** EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:**Drinking Water****EPA 300.0:** Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2:** Nitrate-N, Nitrite-N; **SM4500NO3-F:** Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE,****EPA 180.1, SM2130B, SM4500CI-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B****EPA 332:** Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.**Microbiology:** **SM9215B; SM9223-P/A, SM9223B-Colilert-QT, SM9222D.****Non-Potable Water****SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH:** Ammonia-N and Kjeldahl-N, **EPA 350.1:** Ammonia-N, **LACHAT 10-107-06-1-B:** Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2:** Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300:** Chloride, Sulfate, Nitrate.**EPA 624.1:** Volatile Halocarbons & Aromatics,**EPA 608.3:** Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs**EPA 625.1:** SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045:** PCB-Oil.**Microbiology:** **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603.****Mansfield Facility:****Drinking Water****EPA 200.7:** Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.**EPA 522.****Non-Potable Water****EPA 200.7:** Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.**EPA 200.8:** Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.**EPA 245.1** Hg.**SM2340B**

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

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